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**NOVEL CONTIGS OBTAINED FROM
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NOVEL CONTIGS OBTAINED FROM VARIOUS LIBRARIES

1. FIELD OF THE INVENTION

The present invention provides novel polynucleotide sequences, and polypeptides encoded by such sequences. In particular, the invention provides nucleic acid, specifically contigs, and diagnostic, therapeutic and research utilities thereof .

2. BACKGROUND

In the past two decades, the maturation of the technology for determining the sequence of genes and/or proteins has facilitated the growth and development of the fields of genomics and bioinformatics. Methods of determining a polynucleotide sequence (i.e., the order of the A, G, C and T nucleotides in a sample) have been in use since 1978. These now traditional methods are performed by preparing a mixture of randomly terminated, differentially labelled DNA fragments by degradation at specific nucleotides, or by dideoxy chain termination of replicating strands (Ausubel et al., (1989) "Current Protocols in Molecular Biology" John Wiley & Sons, New York, New York). Resulting DNA fragments in the range of 1 to 500 bp are then separated on a gel to produce a ladder of bands wherein the adjacent samples differ in length by one nucleotide. More recent innovations in sequencing technology, such as sequencing by hybridization (SBH) [Drmanac et al., U.S. Patent No. 5,202,231 - Issued April 13, 1993; Drmanac et al., U.S. Patent No. 5,525,464 - Issued June 11, 1996; Drmanac, PCT Patent Appln. No. WO 95/09248, all of which are hereby incorporated by reference] have greatly facilitated the process.

In contrast to traditional sequencing methods, the array based approach of SBH does not require single base resolution in separation, degradation, synthesis or imaging of a DNA molecule. Instead, using mismatch discriminative hybridization of short oligonucleotides K bases in length, lists of constituent K-mer oligonucleotides may be determined for a target

DNA. DNA sequence for the target DNA is assembled by uniquely overlapping scored oligonucleotides. SBH is a highly versatile technique and, depending on the approach selected, may be used to achieve a variety of endpoints. For example, SBH may be used to efficiently batch processing large numbers of samples [e.g., to identify expressed sequence tags (ESTs)] or for sequencing long DNA fragments, (e.g. a complete bacterial genome without DNA subcloning in smaller pieces). Identified sequences have numerous applications in, for example, diagnostics, forensics, gene mapping; identification of mutations responsible for genetic disorders or other traits, to assess biodiversity, and to produce many other types of data and products dependent on DNA sequence.

3. SUMMARY OF THE INVENTION

The invention relates, in general, to a collection or library of at least one novel nucleic acid sequences, specifically contigs, assembled from expressed sequence tags (ESTs) isolated mainly by sequencing by hybridization (SBH), and in some cases, sequences obtained from one or more public databases. The invention relates also to the proteins encoded by such polynucleotides, along with therapeutic, diagnostic and research utilities for these polynucleotides and proteins. These nucleic acid sequences are designated as SEQ ID NO: 1 - 10,289 and are provided in the Sequence Listing. In the nucleic acids provided in the Sequence Listing, A is adenosine; C is cytosine; G is guanosine; T is thymine; and N is any of the four bases.

The nucleic acid sequences of the present invention also include, nucleic acid sequences that hybridize to the complement of SEQ ID NO: 1 – 10,289 under stringent hybridization conditions; nucleic acid sequences which are allelic variants or species homologues of any of the nucleic acid sequences recited above, or nucleic acid sequences that encode a peptide comprising a specific domain or truncation of the peptides encoded by SEQ ID NO: 1 - 10,289. A polynucleotide comprising a nucleotide sequence having at least 90% identity to an identifying sequence of SEQ ID NO: 1-10,289 or a degenerate variant or fragment thereof. The identifying sequence can be 200 base pairs in length.

This invention also includes the reverse or direct complement of any of the nucleic acid sequences recited above; cloning or expression vectors containing the nucleic acid sequences; and host cells or organisms transformed with these expression vectors.

Nucleic acid sequences (or their reverse or direct complements) according to the invention have numerous applications in a variety of techniques known to those skilled in the art of molecular biology, such as use as hybridization probes, use as primers for PCR, use in an array, use in computer-readable media, use in sequencing full-length genes, use for chromosome and gene mapping, use in the recombinant production of protein, and use in generation of anti-sense DNA or RNA, their chemical analogs and the like.

In a preferred embodiment, the contigs or novel segments or parts of the contigs of the invention are used as primers in expression assays that are well known in the art. In a particularly preferred embodiment, the contigs or novel segments or parts of the contigs provided herein are used in diagnostics for identifying expressed genes or, as well known in the art and exemplified by Vollrath et al., Science 258:52-59 (1992), as expressed sequence tags for physical mapping of the human genome.

The nucleotide sequences especially herein may be used in molecular biology techniques that have not yet been developed, especially in new techniques which rely on properties of nucleotide sequences that are currently known such as the triplet genetic code, specific base pair interactions, and the like.

The invention further includes polypeptides encoded by SEQ ID NO: 1 - 10,289 or their reverse or direct complements, and degenerate variants thereof, especially naturally occurring variants such as allelic variants. The polypeptide(s) encoded can be a portion of an isolated protein. The polypeptide(s) can also form a part of an external configuration of a protein in three-dimensions.

The polypeptides according to the invention can be used in a variety of conventional procedures and methods that are currently applied to other polypeptides, including the generation of antibodies, or use as molecular weight markers.

4. DETAILED DESCRIPTION

4.1 Definitions

The term "nucleotide sequence" refers to a polymer of nucleotides. The terms "nucleic acid" and polynucleotide are used interchangeably herein to refer to a polymer of nucleotides. Generally, nucleic acid segments provided by this invention may be assembled from fragments of the genome and short oligonucleotide linkers, or from a series of oligonucleotides, to provide a synthetic nucleic acid which is capable of being expressed in a recombinant transcriptional unit comprising regulatory elements derived from a microbial or viral operon.

An "oligonucleotide fragment" or a "polynucleotide fragment", "portion," or "segment" is a stretch of nucleotides which is long enough to use in polymerase chain reaction (PCR) or various hybridization procedures to identify or amplify identical or related parts of mRNA or DNA molecules. These terms can be used interchangeably with "nucleotide sequence," the sequence information contained in a nucleotide sequence, or the identifying sequence of a polynucleotide.

"Oligonucleotides" or "nucleic acid probes" are prepared based on the nucleotide sequences provided in the present invention. Oligonucleotides comprise portions of the DNA sequence having at least about 7, usually at least about 15 nucleotides, and more usually at least about 20 nucleotides. Nucleic acid probes comprise portions of the sequence having fewer nucleotides than about 6 kb, usually fewer than about 1 kb. These probes may be used to determine whether mRNAs are present in a cell or tissue or to isolate similar nucleic acid sequences from chromosomal DNA as described by Walsh PS et al (1992 PCR Methods Appl 1:241-250).

The term "probes" includes naturally occurring or recombinant single- or double-stranded nucleic acids or chemically synthesized nucleic acids. They may be labeled by nick translation, Klenow fill-in reaction, PCR or other methods well known in the art. Probes of the present invention, their preparation and/or labeling are elaborated in Sambrook J et al (1989) Molecular Cloning: A Laboratory Manual, Cold Spring Harbor Laboratory, NY; or Ausubel FM et al (1989) Current Protocols in Molecular Biology, John Wiley & Sons, New York NY, both incorporated herein by reference.

5 The term "stringent" is used to refer to conditions that are commonly understood in the art as stringent. An exemplary set of conditions include a temperature of 60-70 °C, (preferably about 65 °C) and a salt concentration of 0.70 M to 0.80 M (preferably about 0.75M). Further exemplary conditions include, hybridizing conditions that (1) employ low ionic strength and high temperature for washing, for example, 0.015 M NaCl/0.0015 M sodium citrate/0.1% SDS at 50°C; (2) employ during hybridization a denaturing agent such as formamide, for example, 50% (vol/vol) formamide with 0.1% bovine serum albumin/0.1% Ficoll/0.1% polyvinylpyrrolidone/50 mM sodium phosphate buffer at pH 6.5 with 750 mM NaCl, 75 mM sodium citrate at 42°C; or (3) employ 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M Sodium pyrophosphate, 5 x Denhardt's solution, sonicated salmon sperm DNA (50 g/ml), 0.1% SDS, and 10% dextran sulfate at 42°C with washes at 42 °C in 0.2 x SSC and 0.1% SDS.

10 The term "recombinant," as used herein, means that a polypeptide or protein is derived from recombinant (e.g., microbial or mammalian) expression systems. "Microbial polypeptide or protein" refers to recombinant polypeptides or proteins made in bacterial or fungal (e.g., yeast) expression systems. As a product, "recombinant polypeptide or protein" defines a polypeptide or protein essentially free of native endogenous substances and unaccompanied by associated native glycosylation. Polypeptides or proteins expressed in most bacterial cultures, e.g., *E. coli*, will be free of glycosylation modifications; polypeptides or proteins expressed in yeast will have a glycosylation pattern different from that expressed in mammalian cells.

20 The term "recombinant expression vehicle or vector" refers to a plasmid or phage or virus or vector, for expressing a polypeptide from a DNA (RNA) sequence. The expression vehicle can comprise a transcriptional unit comprising an assembly of (1) a genetic element or elements having a regulatory role in gene expression, for example, promoters or enhancers, (2) a structural or coding sequence which is transcribed into mRNA and translated into protein, and (3) appropriate transcription initiation and termination sequences. Structural units intended for use in yeast or eukaryotic expression systems preferably include a leader sequence enabling extracellular secretion of translated protein by a host cell. Alternatively, where recombinant protein is expressed without a leader or

transport sequence, it may include an N-terminal methionine residue. This residue may or may not be subsequently cleaved from the expressed recombinant protein to provide a final product.

“Recombinant expression system” means host cells which have stably integrated a recombinant transcriptional unit into chromosomal DNA or carry the recombinant transcriptional unit extrachromosomally. The cells can be prokaryotic or eukaryotic. Recombinant expression systems as defined herein will express heterologous polypeptides or proteins upon induction of the regulatory elements linked to the DNA segment or synthetic gene to be expressed.

The term “open reading frame,” ORF, means a series of triplets coding for amino acids without any termination codons and is a sequence translatable into protein.

The term “expression modulating fragment,” EMF, means a series of nucleotide molecules which modulates the expression of an operably linked ORF or EMF.

As used herein, a sequence is said to “modulate the expression of an operably linked sequence” when the expression of the sequence is altered by the presence of the EMF. EMFs include, but are not limited to, promoters, and promoter modulating sequences (inducible elements). One class of EMFs are fragments which induce the expression of an operably linked ORF in response to a specific regulatory factor or physiological event.

As used herein, an “uptake modulating fragment,” UMF, means a series of nucleotide molecules which mediate the uptake of a linked DNA fragment into a cell. UMFs can be readily identified using known UMFs as a target sequence or target motif with the computer-based systems described above.

The presence and activity of a UMF can be confirmed by attaching the suspected UMF to a marker sequence. The resulting nucleic acid molecule is then incubated with an appropriate host under appropriate conditions and the uptake of the marker sequence is determined. As described above, a UMF will increase the frequency of uptake of a linked marker sequence.

“Active” refers to those forms of the polypeptide which retain the biologic and/or immunologic activities of any naturally occurring polypeptide.

“Naturally occurring polypeptide” refers to polypeptides produced by cells and specifically contemplates various polypeptides arising from post-translational modifications of the polypeptide including, but not limited to, acetylation, carboxylation, glycosylation, phosphorylation, lipidation and acylation.

5 “Derivative” refers to polypeptides chemically modified by such techniques as ubiquitination, labeling (e.g., with radionuclides or various enzymes), pegylation (derivatization with polyethylene glycol) and insertion or substitution by chemical synthesis of amino acids such as ornithine, which do not normally occur in human proteins.

10 “Recombinant variant” refers to any polypeptide differing from naturally occurring polypeptides by amino acid insertions, deletions, and substitutions, created using recombinant DNA techniques. Guidance in determining which amino acid residues may be replaced, added or deleted without abolishing activities of interest, such as cellular trafficking, may be found by comparing the sequence of the particular polypeptide with that of homologous peptides and minimizing the number of amino acid sequence changes made in regions of high homology.

20 Preferably, amino acid "substitutions" are the result of replacing one amino acid with another amino acid having similar structural and/or chemical properties, such as the replacement of a leucine with an isoleucine or valine, an aspartate with a glutamate, or a threonine with a serine, i.e., conservative amino acid replacements. "Insertions" or "deletions" are typically in the range of about 1 to 5 amino acids. The variation allowed may be experimentally determined by systematically making insertions, deletions, or substitutions of amino acids in a polypeptide molecule using recombinant DNA techniques and assaying the resulting recombinant variants for activity.

25 Where desired an expression vector may be designed to contain a "signal or leader sequence" which will direct the polypeptide through the membrane of a cell. Such a sequence may be naturally present on the polypeptides of the present invention or provided from heterologous protein sources by recombinant DNA techniques.

30 A polypeptide is a stretch of amino acid residues. By way of example such polypeptides may be at least about 5 amino acids, often at least about 7 amino acids, typically at least about 9 to 13 amino acids, and, in various embodiments, at least about 17

or more amino acids. To be active, any polypeptide must have sufficient length to display biologic and/or immunologic activity.

Alternatively, recombinant variants encoding these same or similar polypeptides may be synthesized or selected by making use of the "redundancy" in the genetic code.

5 Various codon substitutions, such as the silent changes which produce various restriction sites, may be introduced to optimize cloning into a plasmid or viral vector or expression in a particular prokaryotic or eukaryotic system. Mutations in the polypeptide sequence may be reflected in the polypeptide or domains of other peptides added to the polypeptide to modify the properties of any part of the polypeptide, to change characteristics such as ligand-
10 binding affinities, interchain affinities, or degradation/turnover rate.

"Activated" cells as used in this application are those which are engaged in extracellular or intracellular membrane trafficking, including the export of neurosecretory or enzymatic molecules as part of a normal or disease process.

The term "purified" as used herein denotes that the indicated nucleic acid or polypeptide is present in the substantial absence of other biological macromolecules, *e.g.*, nucleic acid sequences, proteins, and the like. In one embodiment, the nucleic acid or polypeptide is purified such that it constitutes at least 95% by weight, more preferably at least 99.8% by weight, of the biological macromolecules present (but water, buffers, and other small molecules, especially molecules having a molecular weight of less than 1000 daltons, can be present).
20

The term "isolated" as used herein refers to a nucleic acid or polypeptide separated from at least one other component (*e.g.*, nucleic acid or polypeptide) present with the nucleic acid or polypeptide in its natural source. In one embodiment, the nucleic acid or polypeptide is found in the presence of (if anything) only a solvent, buffer, ion, or other
25 component normally present in a solution of the same. The terms "isolated" and "purified" do not encompass nucleic acids or polypeptides present in their natural source.

The term "infection" refers to the introduction of nucleic acids into a suitable host cell by use of a virus or viral vector.

The term "transformation" means introducing DNA into a suitable host cell so that the DNA is replicable, either as an extrachromosomal element, or by chromosomal integration.

The term "transfection" refers to the taking up of an expression vector by a suitable host cell, whether or not any coding sequences are in fact expressed.

The term "intermediate fragment" means a nucleic acid between 5 and 1000 bases in length, and preferably between 10 and 40 bp in length.

Each of the above terms is meant to encompass all that is described for each, unless the context dictates otherwise.

4.2 Nucleic Acid Sequences of the Invention

The nucleic acid sequences of the invention, designated as SEQ ID NO: 1-10,289 were assembled mainly from ESTs obtained by SBH and, in some cases, sequences obtained from one or more public databases, such as dbEST, gbpr, and UniGene. The sequences falling within the scope of the present invention are not limited to these specific sequences, but also include allelic and species variations thereof. Allelic and species variations can be routinely determined by comparing the sequence provided in SEQ ID NO: 1-10,289, a representative fragment thereof, or a nucleotide sequence at least 90% identical, preferably 99.9% identical, to SEQ ID NO: 1-10,289 with a sequence from another isolate of the same species. Furthermore, to accommodate codon variability, the invention includes nucleic acid molecules coding for the same amino acid sequences as do the specific ORFs disclosed herein. In other words, in the coding region of an ORF, substitution of one codon for another which encodes the same amino acid is expressly contemplated.

The contigs were assembled using an EST sequence as a seed. The EST sequence can be extended into a contig by programs or algorithms known in the art. Preferably, a recursive algorithm is used to extend the seed EST into an extended assemblage, by pulling additional sequences from different databases (e.g., Hyseq's database containing EST sequences, dbEST version 114, gb pri 114, and UniGene version 101) that belong to this

assemblage. The algorithm terminates when there was no additional sequences from the databases that will extend the assemblage. Further, the inclusion of component sequences into the assemblage is preferably based on a BLASTN hit to the extending assemblage with BLAST score greater than 300 and percent identity greater than 95%.

5 The nearest neighbor result for the assembled contig can be obtained by searching a database using an algorithm or a program. Preferably, a FASTA version 3 search against Genpept, using Fastxy algorithm. The nearest neighbor result shows the closest homologue for each assemblage from Genpept (and contains the translated amino acid sequences for which the assemblage encodes).

10 **4.3 Uses of Nucleic Acids Sequences of the Invention.**

 Another aspect of the subject invention is to provide for polypeptide-specific nucleic acid hybridization probes capable of hybridizing with naturally occurring nucleotide sequences. The hybridization probes of the subject invention may be derived from the nucleotide sequence of SEQ ID NO: 1-10,289.

 PCR as described US Patent Nos 4,683,195 and 4,965,188 provide additional uses for oligonucleotides based upon the nucleotide sequences. Such probes used in PCR may be of recombinant origin, may be chemically synthesized, or a mixture of both. The probe will comprise a discrete nucleotide sequence for the detection of identical sequences or a degenerate pool of possible sequences for identification of closely related genomic sequences.

 Other means for producing specific hybridization probes for nucleic acids include the cloning of nucleic acid sequences into vectors for the production of mRNA probes. Such vectors are known in the art and are commercially available and may be used to synthesize RNA probes in vitro by means of the addition of the appropriate RNA polymerase as T7 or SP6 RNA polymerase and the appropriate radioactively labeled nucleotides.

 The nucleotide sequences may be used to construct hybridization probes for mapping their respective genomic sequences. The nucleotide sequence provided herein

may be mapped to a chromosome or specific regions of a chromosome using well known genetic and/or chromosomal mapping techniques. These techniques include in situ hybridization, linkage analysis against known chromosomal markers, hybridization screening with libraries or flow-sorted chromosomal preparations specific to known chromosomes, and the like. The technique of fluorescent in situ hybridization of chromosome spreads has been described, among other places, in Verma et al (1988) Human Chromosomes: A Manual of Basic Techniques, Pergamon Press, New York NY.

Fluorescent in situ hybridization of chromosomal preparations and other physical chromosome mapping techniques may be correlated with additional genetic map data. Examples of genetic map data can be found in the 1994 Genome Issue of Science (265:1981f). Correlation between the location of a nucleic acid on a physical chromosomal map and a specific disease (or predisposition to a specific disease) may help delimit the region of DNA associated with that genetic disease. The nucleotide sequences of the subject invention may be used to detect differences in gene sequences between normal, carrier or affected individuals.

The nucleotide sequence may be used to produce purified polypeptides using well known methods of recombinant DNA technology. Among the many publications that teach methods for the expression of genes after they have been isolated is Goeddel (1990) Gene Expression Technology, Methods and Enzymology, Vol 185, Academic Press, San Diego. Polypeptides may be expressed in a variety of host cells, either prokaryotic or eukaryotic. Host cells may be from the same species from which a particular polypeptide nucleotide sequence was isolated or from a different species. Advantages of producing polypeptides by recombinant DNA technology include obtaining adequate amounts of the protein for purification and the availability of simplified purification procedures.

In yet another aspect of the invention, the nucleic acid sequences of the invention may be used to induce immune responses. By way of example, the nucleic acid sequences of the invention may be used for immunization by topical application of the nucleic acid sequences to skin (Fan et al., (1999) Nature Biotechnology 17:870-872, herein incorporated by reference). Preferably the skin contains hair follicles and the nucleic acid sequences are

inserted in a recombinant expression vector. The nucleic acid sequences and recombinant expression vector may be in the form of naked DNA.

4.4 Recombinant Constructs

The present invention further provides recombinant constructs comprising a nucleic acid having the sequence of any one of SEQ ID NO: 1-10,289, a nucleic acid having a fragment of the sequence of any one of SEQ ID NO: 1-10,289, or a nucleic acid having 90% homology to the sequence of any one of SEQ ID NO: 1-10,289. The recombinant constructs of the present invention comprise a vector, such as a plasmid or viral vector, into which a nucleic acid having the sequence of any one of SEQ ID NO: 1-10,289 or a fragment thereof is inserted, in a forward or reverse orientation. In the case of a vector comprising one of the ORFs of the present invention, the vector may further comprise regulatory sequences, including for example, a promoter, operably linked to the ORF. For vectors comprising the EMFs and UMFs of the present invention, the vector may further comprise a marker sequence or heterologous ORF operably linked to the EMF or UMF.

Large numbers of suitable vectors and promoters are known to those of skill in the art and are commercially available for generating the recombinant constructs of the present invention. The following vectors are provided by way of example. Bacterial: pBs, phagescript, PsiX174, pBluescript SK, pBs KS, pNH8a, pNH16a, pNH18a, pNH46a (Stratagene); pTrc99A, pKK223-3, pKK233-3, pDR540, pRIT5 (Pharmacia). Eukaryotic: pWLneo, pSV2cat, pOG44, PXTI, pSG (Stratagene) pSVK3, pBPV, pMSG, pSVL (Pharmacia).

Promoter regions can be selected from any desired gene using CAT (chloramphenicol transferase) vectors or other vectors with selectable markers. Two appropriate vectors are pKK232-8 and pCM7. Particular named bacterial promoters include lacI, lacZ, T3, T7, gpt, lambda P_R, and trc. Eukaryotic promoters include CMV immediate early, HSV thymidine kinase, early and late SV40, LTRs from retrovirus, and mouse metallothionein-I. Selection of the appropriate vector and promoter is well within the level of ordinary skill in the art.

Generally, recombinant expression vectors will include origins of replication and selectable markers permitting transformation of the host cell, e.g., the ampicillin resistance gene of E. coli and S. cerevisiae TRP1 gene, and a promoter derived from a highly-expressed gene to direct transcription of a downstream structural sequence. Such promoters can be derived from operons encoding glycolytic enzymes such as 3-phosphoglycerate kinase (PGK), a-factor, acid phosphatase, or heat shock proteins, among others. The heterologous structural sequence is assembled in appropriate phase with translation initiation and termination sequences, and preferably, a leader sequence capable of directing secretion of translated protein into the periplasmic space or extracellular medium. Optionally, the heterologous sequence can encode a fusion protein including an N-terminal identification peptide imparting desired characteristics, e.g., stabilization or simplified purification of expressed recombinant product.

Useful expression vectors for bacterial use are constructed by inserting a structural DNA sequence encoding a desired protein together with suitable translation initiation and termination signals in operable reading phase with a functional promoter. The vector will comprise one or more phenotypic selectable markers and an origin of replication to ensure maintenance of the vector and to, if desirable, provide amplification within the host. Suitable prokaryotic hosts for transformation include E. coli, Bacillus subtilis, Salmonella typhimurium and various species within the genera Pseudomonas, Streptomyces, and Staphylococcus, although others may also be employed as a matter of choice.

As a representative but nonlimiting example, useful expression vectors for bacterial use can comprise a selectable marker and bacterial origin of replication derived from commercially available plasmids comprising genetic elements of the well known cloning vector pBR322 (ATCC 37017). Such commercial vectors include, for example, pKK223-3 (Pharmacia Fine Chemicals, Uppsala, Sweden) and GEM 1 (Promega Biotec, Madison, WI, USA). These pBR322 "backbone" sections are combined with an appropriate promoter and the structural sequence to be expressed.

Following transformation of a suitable host strain and growth of the host strain to an appropriate cell density, the selected promoter is derepressed by appropriate means (e.g., temperature shift or chemical induction) and cells are cultured for an additional period.

Cells are typically harvested by centrifugation, disrupted by physical or chemical means, and the resulting crude extract retained for further purification.

Included within the scope of the nucleic acid sequences of the invention are nucleic acid sequences that hybridize under stringent conditions to a fragment of the DNA sequences provided in the Sequence Listing, which fragment is greater than about 10 bp, preferably 20-50 bp, and even greater than 100 bp.

In accordance with the invention, polynucleotide sequences which encode the novel nucleic acids, or functional equivalents thereof, may be used to generate recombinant DNA molecules that direct the expression of that nucleic acid, or a functional equivalent thereof, in appropriate host cells.

The nucleic acid sequences of the invention are further directed to sequences which encode variants of the described nucleic acids. These amino acid sequence variants may be prepared by methods known in the art by introducing appropriate nucleotide changes into a native or variant polynucleotide. There are two variables in the construction of amino acid sequence variants: the location of the mutation and the nature of the mutation. The amino acid sequence variants of the nucleic acids are preferably constructed by mutating the polynucleotide to give an amino acid sequence that does not occur in nature. These amino acid alterations can be made at sites that differ in the nucleic acids from different species (variable positions) or in highly conserved regions (constant regions). Sites at such locations will typically be modified in series, *e.g.*, by substituting first with conservative choices (*e.g.*, hydrophobic amino acid to a different hydrophobic amino acid) and then with more distant choices (*e.g.*, hydrophobic amino acid to a charged amino acid), and then deletions or insertions may be made at the target site.

Amino acid sequence deletions generally range from about 1 to 30 residues, preferably about 1 to 10 residues, and are typically contiguous. Amino acid insertions include amino- and/or carboxyl-terminal fusions ranging in length from one to one hundred or more residues, as well as intrasequence insertions of single or multiple amino acid residues. Intrasequence insertions may range generally from about 1 to 10 amino residues, preferably from 1 to 5 residues. Examples of terminal insertions include the heterologous signal sequences necessary for secretion or for intracellular targeting in different host cells.

In a preferred method, nucleic acid sequences encoding the novel nucleic acids are changed via site-directed mutagenesis. This method uses oligonucleotide sequences that encode the polynucleotide sequence of the desired amino acid variant, as well as a sufficient adjacent nucleotide on both sides of the changed amino acid to form a stable duplex on either side of the site of being changed. In general, the techniques of site-directed mutagenesis are well known to those of skill in the art and this technique is exemplified by publications such as, Edelman *et al.*, DNA 2:183 (1983). A versatile and efficient method for producing site-specific changes in a polynucleotide sequence was published by Zoller and Smith, Nucleic Acids Res. 10:6487-6500 (1982).

PCR may also be used to create amino acid sequence variants of the novel nucleic acids. When small amounts of template DNA are used as starting material, primer(s) that differs slightly in sequence from the corresponding region in the template DNA can generate the desired amino acid variant. PCR amplification results in a population of product DNA fragments that differ from the polynucleotide template encoding the collagen at the position specified by the primer. The product DNA fragments replace the corresponding region in the plasmid and this gives the desired amino acid variant.

A further technique for generating amino acid variants is the cassette mutagenesis technique described in Wells *et al.*, Gene 34:315 (1985); and other mutagenesis techniques well known in the art, such as, for example, the techniques in Sambrook *et al.*, supra, and Current Protocols in Molecular Biology, Ausubel *et al.*

Due to the inherent degeneracy of the genetic code, other DNA sequences which encode substantially the same or a functionally equivalent amino acid sequence may be used in the practice of the invention for the cloning and expression of these novel nucleic acids. Such DNA sequences include those which are capable of hybridizing to the appropriate novel nucleic acid sequence under stringent conditions.

4.5 Host Cells

The present invention further provides host cells containing SEQ ID NO: 1-10,289 of the present invention, wherein the nucleic acid has been introduced into the host cell

using known transformation, transfection or infection methods. The host cell can be a higher eukaryotic host cell, such as a mammalian cell, a lower eukaryotic host cell, such as a yeast cell, or the host cell can be a prokaryotic cell, such as a bacterial cell. Introduction of the recombinant construct into the host cell can be effected by calcium phosphate transfection, DEAE, dextran mediated transfection, or electroporation (Davis, L. *et al.*, *Basic Methods in Molecular Biology* (1986)).

The host cells containing one of SEQ ID NO: 1-10,289 of the present invention, can be used in conventional manners to produce the gene product encoded by the isolated fragment (in the case of an ORF) or can be used to produce a heterologous protein under the control of the EMF.

Any host/vector system can be used to express one or more of the ORFs of the present invention. These include, but are not limited to, eukaryotic hosts such as HeLa cells, Cv-1 cell, COS cells, and Sf9 cells, as well as prokaryotic host such as *E. coli* and *B. subtilis*. The most preferred cells are those which do not normally express the particular polypeptide or protein or which expresses the polypeptide or protein at low natural level.

Polypeptides can be expressed in mammalian cells, yeast, bacteria, or other cells under the control of appropriate promoters. Cell-free translation systems can also be employed to produce such proteins using RNAs derived from the DNA constructs of the present invention. Appropriate cloning and expression vectors for use with prokaryotic and eukaryotic hosts are described by Sambrook, *et al.*, in *Molecular Cloning: A Laboratory Manual*, Second Edition, Cold Spring Harbor, New York (1989), the disclosure of which is hereby incorporated by reference.

Various mammalian cell culture systems can also be employed to express recombinant protein. Examples of mammalian expression systems include the COS-7 lines of monkey kidney fibroblasts, described by Gluzman, *Cell* 23:175 (1981), and other cell lines capable of expressing a compatible vector, for example, the C127, 3T3, CHO, HeLa and BHK cell lines. Mammalian expression vectors will comprise an origin of replication, a suitable promoter and , and also any necessary ribosome binding sites, polyadenylation site, splice donor and acceptor sites, transcriptional termination sequences, and 5' flanking nontranscribed sequences. DNA sequences derived from the SV40 viral genome, for

example, SV40 origin, early promoter, enhancer, splice, and polyadenylation sites may be used to provide the required nontranscribed genetic elements.

Recombinant polypeptides and proteins produced in bacterial culture are usually isolated by initial extraction from cell pellets, followed by one or more salting-out, aqueous ion exchange or size exclusion chromatography steps. Protein refolding steps can be used, as necessary, in completing configuration of the mature protein. Finally, high performance liquid chromatography (HPLC) can be employed for final purification steps. Microbial cells employed in expression of proteins can be disrupted by any convenient method, including freeze-thaw cycling, sonication, mechanical disruption, or use of cell lysing agents.

4.6 Polypeptides of the Invention

The present invention further provides isolated polypeptides encoded by the nucleic acid fragments of the present invention or by degenerate variants of the nucleic acid fragments of the present invention. By "degenerate variant" is intended nucleotide fragments which differ from a nucleic acid fragment of the present invention (e.g., an ORF) by nucleotide sequence but, due to the degeneracy of the Genetic Code, encode an identical polypeptide sequence. Preferred nucleic acid fragments of the present invention are the ORFs which encode peptides.

A variety of methodologies known in the art can be utilized to obtain any one of the isolated peptides or proteins of the present invention. At the simplest level, the amino acid sequence can be synthesized using commercially available peptide synthesizers. This is particularly useful in producing small peptides and fragments of larger polypeptides. Fragments are useful, for example, in generating antibodies against the native polypeptide. In an alternative method, the polypeptide or protein is purified from bacterial cells which naturally produce the polypeptide or protein. One skilled in the art can readily follow known methods for isolating polypeptides and proteins in order to obtain one of the isolated polypeptides or proteins of the present invention. These include, but are not limited to,

immunochromatography, HPLC, size-exclusion chromatography, ion-exchange chromatography, and immuno-affinity chromatography.

The polypeptides and proteins of the present invention can alternatively be purified from cells which have been altered to express the desired polypeptide or protein. As used herein, a cell is said to be altered to express a desired polypeptide or protein when the cell, through genetic manipulation, is made to produce a polypeptide or protein which it normally does not produce or which the cell normally produces at a lower level. One skilled in the art can readily adapt procedures for introducing and expressing either recombinant or synthetic sequences into eukaryotic or prokaryotic cells in order to generate a cell which produces one of the polypeptides or proteins of the present invention.

4.7 Antibodies

The polypeptides of the present invention may be used to generate antibodies. In general, techniques for preparing polyclonal and monoclonal antibodies as well as hybridomas capable of producing the desired antibody are well known in the art (Campbell, A.M., *Monoclonal Antibodies Technology: Laboratory Techniques in Biochemistry and Molecular Biology*, Elsevier Science Publishers, Amsterdam, The Netherlands (1984); St. Groth *et al.*, *J. Immunol.* 35:1-21 (1990); Kohler and Milstein, *Nature* 256:495-497 (1975); Kozbor *et al.*, *Immunology Today* 4:72 (1983); Cole *et al.*, in *Monoclonal Antibodies and Cancer Therapy*, Alan R. Liss, Inc. (1985), pp. 77-96; Lutz *et al.*, *Exp. Cell Research* 175:109-124 (1988)). In addition, techniques described for the production of single chain antibodies (U.S. Patent 4,946,778) can be adapted to produce single chain antibodies to the polypeptides of the present invention.

The antibodies of the present invention can be used in a variety of assays. By way of example, the antibodies in a detectably labeled form (use of radioisotopes, affinity labels, enzymatic labels, fluorescent labels, paramagnetic atoms, etc; see for example Sternberger, L.A. *et al.*, *J. Histochem. Cytochem.* 18:315 (1970); Bayer, E.A. *et al.*, *Meth. Enzym.* 62:308 (1979); Engval, E. *et al.*, *Immunol.* 109:129 (1972); Goding, J.W. *J. Immunol. Meth.* 13:215 (1976)) can be used for *in vitro*, *in vivo*, and *in situ* assays to

identify cells or tissues in which a fragment of the polypeptide of interest is expressed. Additional uses include, but are not limited to, use of the antibodies directly in therapies or other diagnostics and immunoaffinity purification (Weir, D.M. *et al.*, “*Handbook of Experimental Immunology*” 4th Ed., Blackwell Scientific Publications, Oxford, England, Chapter 10 (1986); Jacoby, W.D. *et al.*, *Meth. Enzym.* 34 Academic Press, N.Y. (1974)).

4.8 Computer Readable Sequences

In one application of this embodiment, one or more nucleic acid sequences of the present invention can be recorded on computer readable media. As used herein, “computer readable media” refers to any medium which can be read and accessed directly by a computer. Such media include, but are not limited to: magnetic storage media, such as floppy discs, hard disc storage medium, and magnetic tape; optical storage media such as CD-ROM; electrical storage media such as RAM and ROM; and hybrids of these categories such as magnetic/optical storage media. A skilled artisan can readily appreciate how any of the presently known computer readable mediums can be used to create a manufacture comprising computer readable medium having recorded thereon a nucleotide sequence of the present invention.

As used herein, “recorded” refers to a process for storing information on computer readable medium. A skilled artisan can readily adopt any of the presently known methods for recording information on computer readable medium to generate manufactures comprising the nucleotide sequence information of the present invention.

A variety of data storage structures are available to a skilled artisan for creating a computer readable medium having recorded thereon a nucleotide sequence of the present invention. The choice of the data storage structure will generally be based on the means chosen to access the stored information. In addition, a variety of data processor programs and formats can be used to store the nucleotide sequence information of the present invention on computer readable medium. The sequence information can be represented in a word processing text file, formatted in commercially-available software such as WordPerfect and MicroSoft Word, or represented in the form of an ASCII file, stored in a

database application, such as DB2, Sybase, Oracle, or the like. A skilled artisan can readily adapt any number of dataprocessor structuring formats (e.g. text file or database) in order to obtain computer readable medium having recorded thereon the nucleotide sequence information of the present invention.

5 By providing the nucleotide sequence of SEQ ID NO: 1-10,289, a representative fragment thereof, or a nucleotide sequence 90% identical, preferably at least 99.9% identical, to SEQ ID NOS: 1-10,289 in computer readable form, a skilled artisan can routinely access the sequence information for a variety of purposes. Computer software is publicly available which allows a skilled artisan to access sequence information provided in
10 a computer readable medium. These sequences may be protein encoding fragments and may be useful in producing commercially important proteins such as enzymes used in fermentation reactions and in the production of commercially useful metabolites. These sequences can be either directly edited into full-length gene sequences (nucleotide and protein), or can be extended further to full-length status by additional sequencing using methods known in the art.

As used herein, “a computer-based system” refers to the hardware means, software means, and data storage means used to analyze the nucleotide sequence information of the present invention. The minimum hardware means of the computer-based systems of the present invention comprises a central processing unit (CPU), input means, output means, and data storage means. A skilled artisan can readily appreciate that any one of the currently available computer-based systems are suitable for use in the present invention.

As stated above, the computer-based systems of the present invention comprise a data storage means having stored therein a nucleotide sequence of the present invention and the necessary hardware means and software means for supporting and implementing a
25 search means. As used herein, “data storage means” refers to memory which can store nucleotide sequence information of the present invention, or a memory access means which can access manufactures having recorded thereon the nucleotide sequence information of the present invention.

As used herein, “search means” refers to one or more algorithms or programs which
30 are implemented on the computer-based system to compare a target sequence or target

structural motif with the sequence information stored within the data storage means. Search means are used to identify fragments or regions of a known sequence which match a particular target sequence or target motif. A variety of known algorithms are disclosed publicly and a variety of available software for conducting search means are and can be used in the computer-based systems of the present invention. Examples of such algorithms or programs includes, but is not limited to, Smith-Waterman and BLAST. A skilled artisan can readily recognize that any one of the available algorithms or implementing software packages for conducting homology searches can be adapted for use in the present computer-based systems.

As used herein, a "target sequence" can be any nucleic acid or amino acid sequence of six or more nucleotides or two or more amino acids. A skilled artisan can readily recognize that the longer a target sequence is, the less likely a target sequence will be present as a random occurrence in the database. The most preferred sequence length of a target sequence is from about 10 to 100 amino acids or from about 30 to 300 nucleotide residues. However, it is well recognized that searches for commercially important fragments, such as sequence fragments involved in gene expression and protein processing, may be of shorter length.

As used herein, "a target structural motif," or "target motif," refers to any rationally selected sequence or combination of sequences in which the sequence(s) are chosen based on a three-dimensional configuration which is formed upon the folding of the target motif. There are a variety of target motifs known in the art. Protein target motifs include, but are not limited to, enzyme active sites and signal sequences. Nucleic acid target motifs include, but are not limited to, promoter sequences, hairpin structures and inducible expression elements (protein binding sequences).

4.9 Expression Modulating Sequences

EMF sequences can be identified within a genome by their proximity to the ORFs. An intergenic segment, or a fragment of the intergenic segment, from about 10 to 200 nucleotides in length, taken 5' from any ORF will modulate the expression of an operably

linked 3' ORF in a fashion similar to that found with the naturally linked ORF sequence. As used herein, an "intergenic segment" refers to the fragments of a genome which are between two ORF(S) herein described. Alternatively, EMFs can be identified using known EMFs as a target sequence or target motif in the computer-based systems of the present invention.

The presence and activity of an EMF can be confirmed using an EMF trap vector. An EMF trap vector contains a cloning site 5' to a marker sequence. A marker sequence encodes an identifiable phenotype, such as antibiotic resistance or a complementing nutrition auxotrophic factor, which can be identified or assayed when the EMF trap vector is placed within an appropriate host under appropriate conditions. As described above, an EMF will modulate the expression of an operably linked marker sequence. A more detailed discussion of various marker sequences is provided below.

A sequence which is suspected as being an EMF is cloned in all three reading frames in one or more restriction sites upstream from the marker sequence in the EMF trap vector. The vector is then transformed into an appropriate host using known procedures and the phenotype of the transformed host is examined under appropriate conditions. As described above, an EMF will modulate the expression of an operably linked marker sequence.

4.10 Triplex Helix Formation

In addition, the fragments of the present invention, as broadly described, can be used to control gene expression through triple helix formation or antisense DNA or RNA, both of which methods are based on the binding of a polynucleotide sequence to DNA or RNA. Polynucleotides suitable for use in these methods are usually 20 to 40 bases in length and are designed to be complementary to a region of the gene involved in transcription (triple helix - see Lee *et al.*, *Nucl. Acids Res.* 6:3073 (1979); Cooney *et al.*, *Science* 15241:456 (1988); and Dervan *et al.*, *Science* 251:1360 (1991)) or to the mRNA itself (antisense - Olmno, *J. Neurochem.* 56:560 (1991); *Oligodeoxynucleotides as Antisense Inhibitors of Gene Expression*, CRC Press, Boca Raton, FL (1988)).

Triple helix- formation optimally results in a shut-off of RNA transcription from DNA, while antisense RNA hybridization blocks translation of an mRNA molecule into polypeptide. Both techniques have been demonstrated to be effective in model systems. Information contained in the sequences of the present invention is necessary for the design of an antisense or triple helix oligonucleotide.

4.11 Diagnostics Assays and Kits

The present invention further provides methods to identify the expression of one of the ORFs of the present invention, or homolog thereof, in a test sample, using a nucleic acid probe or antibodies of the present invention.

In detail, such methods comprise incubating a test sample with one or more of the antibodies or one or more of nucleic acid probes of the present invention and assaying for binding of the nucleic acid probes or antibodies to components within the test sample.

Conditions for incubating a nucleic acid probe or antibody with a test sample vary. Incubation conditions depend on the format employed in the assay, the detection methods employed, and the type and nature of the nucleic acid probe or antibody used in the assay. One skilled in the art will recognize that any one of the commonly available hybridization, amplification or immunological assay formats can readily be adapted to employ the nucleic acid probes or antibodies of the present invention. Examples of such assays can be found in Chard, T., *An Introduction to Radioimmunoassay and Related Techniques*, Elsevier Science Publishers, Amsterdam, The Netherlands (1986); Bullock, G.R. *et al.*, *Techniques in Immunocytochemistry*, Academic Press, Orlando, FL Vol. 1 (1982), Vol. 2 (1983), Vol. 3 (1985); Tijssen, P., *Practice and Theory of immunoassays: Laboratory Techniques in Biochemistry and Molecular Biology*, Elsevier Science Publishers, Amsterdam, The Netherlands (1985).

The test samples of the present invention include cells, protein or membrane extracts of cells, or biological fluids such as sputum, blood, serum, plasma, or urine. The test sample used in the above-described method will vary based on the assay format, nature of the detection method and the tissues, cells or extracts used as the sample to be assayed.

Methods for preparing protein extracts or membrane extracts of cells are well known in the art and can be readily be adapted in order to obtain a sample which is compatible with the system utilized.

In another embodiment of the present invention, kits are provided which contain the necessary reagents to carry out the assays of the present invention.

Specifically, the invention provides a compartment kit to receive, in close confinement, one or more containers which comprises: (a) a first container comprising one of the probes or antibodies of the present invention; and (b) one or more other containers comprising one or more of the following: wash reagents, reagents capable of detecting presence of a bound probe or antibody.

In detail, a compartment kit includes any kit in which reagents are contained in separate containers. Such containers include small glass containers, plastic containers or strips of plastic or paper. Such containers allows one to efficiently transfer reagents from one compartment to another compartment such that the samples and reagents are not cross-contaminated, and the agents or solutions of each container can be added in a quantitative fashion from one compartment to another. Such containers will include a container which will accept the test sample, a container which contains the antibodies used in the assay, containers which contain wash reagents (such as phosphate buffered saline, Tris-buffers, etc.), and containers which contain the reagents used to detect the bound antibody or probe.

Types of detection reagents include labeled nucleic acid probes, labeled secondary antibodies, or in the alternative, if the primary antibody is labeled, the enzymatic, or antibody binding reagents which are capable of reacting with the labeled antibody. One skilled in the art will readily recognize that the disclosed probes and antibodies of the present invention can be readily incorporated into one of the established kit formats which are well known in the art.

4.12 Screening Assays

Using the isolated proteins of the present invention, the present invention further provides methods of obtaining and identifying agents which bind to a protein encoded by

one of the ORFs from a nucleic acid with a sequence of one of SEQ ID NO: 1-10,289, or to a nucleic acid with a sequence of one of SEQ ID NO: 1-10,289.

For random screening, agents such as peptides, carbohydrates, pharmaceutical agents and the like are selected at random and are assayed for their ability to bind to the protein encoded by the ORF of the present invention.

Alternatively, agents may be rationally selected or designed. As used herein, an agent is said to be "rationally selected or designed" when the agent is chosen based on the configuration of the particular protein. For example, one skilled in the art can readily adapt currently available procedures to generate peptides, pharmaceutical agents and the like capable of binding to a specific peptide sequence in order to generate rationally designed antipeptide peptides, for example see Hurby *et al.*, Application of Synthetic Peptides: Antisense Peptides," In *Synthetic Peptides, A User's Guide*, W.H. Freeman, NY (1992), pp. 289-307, and Kaspczak *et al.*, *Biochemistry* 28:9230-8 (1989), or pharmaceutical agents, or the like.

In addition to the foregoing, one class of agents of the present invention, as broadly described, can be used to control gene expression through binding to one of the ORFs or EMFs of the present invention. As described above, such agents can be randomly screened or rationally designed/selected. Targeting the ORF or EMF allows a skilled artisan to design sequence specific or element specific agents, modulating the expression of either a single ORF or multiple ORFs which rely on the same EMF for expression control.

One class of DNA binding agents are agents which contain base residues which hybridize or form a triple helix formation by binding to DNA or RNA. Such agents can be based on the classic phosphodiester, ribonucleic acid backbone, or can be a variety of sulfhydryl or polymeric derivatives which have base attachment capacity.

Agents suitable for use in these methods usually contain 20 to 40 bases and are designed to be complementary to a region of the gene involved in transcription (triple helix - see Lee *et al.*, *Nucl. Acids Res.* 6:3073 (1979); Cooney *et al.*, *Science* 241:456 (1988); and Dervan *et al.*, *Science* 251:1360 (1991)) or to the mRNA itself (antisense - Okano, *J. Neurochem.* 56:560 (1991); *Oligodeoxynucleotides as Antisense Inhibitors of Gene Expression*, CRC Press, Boca Raton, FL (1988)). Triple helix- formation optimally result.-.

in a shut-off of RNA transcription from DNA, while antisense RNA hybridization blocks translation of an mRNA molecule into polypeptide. Both techniques have been demonstrated to be effective in model systems. Information contained in the sequences of the present invention is necessary for the design of an antisense or triple helix oligonucleotide and other DNA binding agents.

Agents which bind to a protein encoded by one of the ORFs of the present invention can be used as a diagnostic agent, in the control of bacterial infection by modulating the activity of the protein encoded by the ORF. Agents which bind to a protein encoded by one of the ORFs of the present invention can be formulated using known techniques to generate a pharmaceutical composition.

4.13 Preparation of Sequencing Chips and Arrays

A basic example is using 6-mers attached to 50 micron surfaces to give a chip with dimensions of 3 x 3 mm which can be combined to give an array of 20 x 20 cm. Another example is using 9-mer oligonucleotides attached to 10 x 10 microns surface to create a 9-mer chip, with dimensions of 5 x 5 mm. 4000 units of such chips may be used to create a 30 x 30 cm array. In an array in which 4,000 to 16,000 oligochips are arranged into a square array. A plate, or collection of tubes, as also depicted, may be packaged with the array as part of the sequencing kit.

The arrays may be separated physically from each other or by hydrophobic surfaces. One possible way to utilize the hydrophobic strip separation is to use technology such as the Iso-Grid Microbiology System produced by QA Laboratories, Toronto, Canada.

Hydrophobic grid membrane filters (HGMF) have been in use in analytical food microbiology for about a decade where they exhibit unique attractions of extended numerical range and automated counting of colonies. One commercially-available grid is ISO-GRID™ from QA Laboratories Ltd. (Toronto, Canada) which consists of a square (60 x 60 cm) of polysulfone polymer (Gelman Tuffryn HT-450, 0.45u pore size) on which is printed a black hydrophobic ink grid consisting of 1600 (40 x 40) square cells. HGMF have

previously been inoculated with bacterial suspensions by vacuum filtration and incubated on the differential or selective media of choice.

Because the microbial growth is confined to grid cells of known position and size on the membrane, the HGMF functions more like an MPN apparatus than a conventional plate or membrane filter. Peterkin *et al.* (1987) reported that these HGMFs can be used to propagate and store genomic libraries when used with a HGMF replicator. One such instrument replicates growth from each of the 1600 cells of the ISO-GRID and enables many copies of the master HGMF to be made (Peterkin *et al.*, 1987).

Sharpe *et al.* (1989) also used ISO-GRID HGMF from QA Laboratories and an automated HGMF counter (MI-100 Interpreter) and RP-100 Replicator. They reported a technique for maintaining and screening many microbial cultures.

Peterkin and colleagues later described a method for screening DNA probes using the hydrophobic grid-membrane filter (Peterkin *et al.*, 1989). These authors reported methods for effective colony hybridization directly on HGMFs. Previously, poor results had been obtained due to the low DNA binding capacity of the epoxysulfone polymer on which the HGMFs are printed. However, Peterkin *et al.* (1989) reported that the binding of DNA to the surface of the membrane was improved by treating the replicated and incubated HGMF with polyethyleneimine, a polycation, prior to contact with DNA. Although this early work uses cellular DNA attachment, and has a different objective to the present invention, the methodology described may be readily adapted for Format 3 SBH.

In order to identify useful sequences rapidly, Peterkin *et al.* (1989) used radiolabeled plasmid DNA from various clones and tested its specificity against the DNA on the prepared HGMFs. In this way, DNA from recombinant plasmids was rapidly screened by colony hybridization against 100 organisms on HGMF replicates which can be easily and reproducibly prepared.

Manipulation with small (2-3 mm) chips, and parallel execution of thousands of the reactions. The solution of the invention is to keep the chips and the probes in the corresponding arrays. In one example, chips containing 250,000 9-mers are synthesized on a silicon wafer in the form of 8 x 8 mm plates (15 uM/oligonucleotide, Pease et al., 1994) arrayed in 8 x 12 format (96 chips) with a 1 mM groove in between. Probes are added

either by multichannel pipette or pin array, one probe on one chip. To score all 4000 6-mers, 42 chip arrays have to be used, either using different ones, or by reusing one set of chip arrays several times.

In the above case, using the earlier nomenclature of the application, F=9; P=6; and F + P = 15. Chips may have probes of formula B_xN_n, where x is a number of specified bases B; and n is a number of non-specified bases, so that x = 4 to 10 and n = 1 to 4. To achieve more efficient hybridization, and to avoid potential influence of any support oligonucleotides, the specified bases can be surrounded by unspecified bases, thus represented by a formula such as (N)_nB_x(N)_m.

4.14 Preparation of Support Bound Oligonucleotides

Oligonucleotides, i.e., small nucleic acid segments, may be readily prepared by, for example, directly synthesizing the oligonucleotide by chemical means, as is commonly practiced using an automated oligonucleotide synthesizer.

Support bound oligonucleotides may be prepared by any of the methods known to those of skill in the art using any suitable support such as glass, polystyrene or Teflon. One strategy is to precisely spot oligonucleotides synthesized by standard synthesizers. Immobilization can be achieved using passive adsorption (Inouye & Hondo, 1990); using UV light (Nagata *et al.*, 1985; Dahlen *et al.*, 1987; Morriey & Collins, 1989) or by covalent binding of base modified DNA (Keller *et al.*, 1988; 1989); all references being specifically incorporated herein.

Another strategy that may be employed is the use of the strong biotin-streptavidin interaction as a linker. For example, Broude *et al.* (1994) describe the use of Biotinylated probes, although these are duplex probes, that are immobilized on streptavidin-coated magnetic beads. Streptavidin-coated beads may be purchased from Dynal, Oslo. Of course, this same linking chemistry is applicable to coating any surface with streptavidin. Biotinylated probes may be purchased from various sources, such as, e.g., Operon Technologies (Alameda, CA).

Nunc Laboratories (Naperville, IL) is also selling suitable material that could be used. Nunc Laboratories have developed a method by which DNA can be covalently bound to the microwell surface termed CovaLink NH. CovaLink NH is a polystyrene surface grafted with secondary amino groups (>NH) that serve as bridge-heads for further covalent coupling. CovaLink Modules may be purchased from Nunc Laboratories. DNA molecules may be bound to CovaLink exclusively at the 5'-end by a phosphoramidate bond, allowing immobilization of more than 1 pmol of DNA (Rasmussen *et al.*, 1991).

The use of CovaLink NH strips for covalent binding of DNA molecules at the 5'-end has been described (Rasmussen *et al.*, 1991). In this technology, a phosphoramidate bond is employed (Chu *et al.*, 1983). This is beneficial as immobilization using only a single covalent bond is preferred. The phosphoramidate bond joins the DNA to the CovaLink NH secondary amino groups that are positioned at the end of spacer arms covalently grafted onto the polystyrene surface through a 2 nm long spacer arm. To link an oligonucleotide to CovaLink NH via an phosphoramidate bond, the oligonucleotide terminus must have a 5'-end phosphate group. It is, perhaps, even possible for biotin to be covalently bound to CovaLink and then streptavidin used to bind the probes.

More specifically, the linkage method includes dissolving DNA in water (7.5 ng/ul) and denaturing for 10 min. at 95°C and cooling on ice for 10 min. Ice-cold 0.1 M 1-methylimidazole, pH 7.0 (1-MeIm₇), is then added to a final concentration of 10 mM 1-MeIm₇. A ss DNA solution is then dispensed into CovaLink NH strips (75 ul/well) standing on ice.

Carbodiimide 0.2 M 1-ethyl-3-(3-dimethylaminopropyl)-carbodiimide (EDC), dissolved in 10 mM 1-MeIm₇, is made fresh and 25 ul added per well. The strips are incubated for 5 hours at 50°C. After incubation the strips are washed using, e.g., Nunc-Immuno Wash; first the wells are washed 3 times, then they are soaked with washing solution for 5 min., and finally they are washed 3 times (where in the washing solution is 0.4 N NaOH, 0.25% SDS heated to 50°C).

It is contemplated that a further suitable method for use with the present invention is that described in PCT Patent Application WO 90/03382 (Southern & Maskos), incorporated herein by reference. This method of preparing an oligonucleotide bound to a support

involves attaching a nucleoside 3'-reagent through the phosphate group by a covalent phosphodiester link to aliphatic hydroxyl groups carried by the support. The oligonucleotide is then synthesized on the supported nucleoside and protecting groups removed from the synthetic oligonucleotide chain under standard conditions that do not cleave the oligonucleotide from the support. Suitable reagents include nucleoside phosphoramidite and nucleoside hydrogen phosphate.

An on-chip strategy for the preparation of DNA probe for the preparation of DNA probe arrays may be employed. For example, addressable laser-activated photodeprotection may be employed in the chemical synthesis of oligonucleotides directly on a glass surface, as described by Fodor *et al.* (1991), incorporated herein by reference. Probes may also be immobilized on nylon supports as described by Van Ness *et al.* (1991); or linked to Teflon using the method of Duncan & Cavalier (1988); all references being specifically incorporated herein.

To link an oligonucleotide to a nylon support, as described by Van Ness *et al.* (1991), requires activation of the nylon surface via alkylation and selective activation of the 5'-amine of oligonucleotides with cyanuric chloride.

One particular way to prepare support bound oligonucleotides is to utilize the light-generated synthesis described by Pease *et al.*, (1994, incorporated herein by reference). These authors used current photolithographic techniques to generate arrays of immobilized oligonucleotide probes (DNA chips). These methods, in which light is used to direct the synthesis of oligonucleotide probes in high-density, miniaturized arrays, utilize photolabile 5'-protected *N*-acyl-deoxynucleoside phosphoramidites, surface linker chemistry and versatile combinatorial synthesis strategies. A matrix of 256 spatially defined oligonucleotide probes may be generated in this manner and then used in the advantageous Format 3 sequencing, as described herein.

Of course, one could easily purchase a DNA chip, such as one of the light-activated chips described above, from a commercial source. In this regard, one may contact Affymetrix of Santa Clara, CA 95051, and Beckman.

4.15 Preparation of Nucleic Acid Fragments

The nucleic acids to be sequenced may be obtained from any appropriate source, such as cDNAs, genomic DNA, chromosomal DNA, microdissected chromosome bands, cosmid or YAC inserts, and RNA, including mRNA without any amplification steps. For example, Sambrook *et al.* (1989) describes three protocols for the isolation of high molecular weight DNA from mammalian cells (p. 9.14-9.23).

DNA fragments may be prepared as clones in M13, plasmid or lambda vectors and/or prepared directly from genomic DNA or cDNA by PCR or other amplification methods. Samples may be prepared or dispensed in multiwell plates. About 100-1000 ng of DNA samples may be prepared in 2-500 µl of final volume.

The nucleic acids would then be fragmented by any of the methods known to those of skill in the art including, for example, using restriction enzymes as described at 9.24-9.28 of Sambrook *et al.* (1989), shearing by ultrasound and NaOH treatment.

Low pressure shearing is also appropriate, as described by Schriefer *et al.* (1990, incorporated herein by reference). In this method, DNA samples are passed through a small French pressure cell at a variety of low to intermediate pressures. A lever device allows controlled application of low to intermediate pressures to the cell. The results of these studies indicate that low-pressure shearing is a useful alternative to sonic and enzymatic DNA fragmentation methods.

One particularly suitable way for fragmenting DNA is contemplated to be that using the two base recognition endonuclease, *Cvi*II, described by Fitzgerald *et al.* (1992). These authors described an approach for the rapid fragmentation and fractionation of DNA into particular sizes that they contemplated to be suitable for shotgun cloning and sequencing. The present inventor envisions that this will also be particularly useful for generating random, but relatively small, fragments of DNA for use in the present sequencing technology.

The restriction endonuclease *Cvi*II normally cleaves the recognition sequence PuGCPy between the G and C to leave blunt ends. Atypical reaction conditions, which alter the specificity of this enzyme (*Cvi*II**), yield a quasi-random distribution of DNA fragments from the small molecule pUC19 (2688 base pairs). Fitzgerald *et al.* (1992)

quantitatively evaluated the randomness of this fragmentation strategy, using a *Cvi*II** digest of pUC19 that was size fractionated by a rapid gel filtration method and directly ligated, without end repair, to a lac Z minus M13 cloning vector. Sequence analysis of 76 clones showed that *Cvi*II** restricts pyGCPy and PuGCPu, in addition to PuGCPy sites, and that new sequence data is accumulated at a rate consistent with random fragmentation.

As reported in the literature, advantages of this approach compared to sonication and agarose gel fractionation include: smaller amounts of DNA are required (0.2-0.5 ug instead of 2-5 ug); and fewer steps are involved (no preligation, end repair, chemical extraction, or agarose gel electrophoresis and elution are needed). These advantages are also proposed to be of use when preparing DNA for sequencing by Format 3.

Irrespective of the manner in which the nucleic acid fragments are obtained or prepared, it is important to denature the DNA to give single stranded pieces available for hybridization. This is achieved by incubating the DNA solution for 2-5 minutes at 80-90°C. The solution is then cooled quickly to 2°C to prevent renaturation of the DNA fragments before they are contacted with the chip. Phosphate groups must also be removed from genomic DNA by methods known in the art.

4.16 Preparation of DNA Arrays

Arrays may be prepared by spotting DNA samples on a support such as a nylon membrane. Spotting may be performed by using arrays of metal pins (the positions of which correspond to an array of wells in a microtiter plate) to repeated by transfer of about 20 nl of a DNA solution to a nylon membrane. By offset printing, a density of dots higher than the density of the wells is achieved. One to 25 dots may be accommodated in 1 mm², depending on the type of label used. By avoiding spotting in some preselected number of rows and columns, separate subsets (subarrays) may be formed. Samples in one subarray may be the same genomic segment of DNA (or the same gene) from different individuals, or may be different, overlapped genomic clones. Each of the subarrays may represent replica spotting of the same samples. In one example, a selected gene segment may be amplified from 64 patients. For each patient, the amplified gene segment may be in one

96-well plate (all 96 wells containing the same sample). A plate for each of the 64 patients is prepared. By using a 96-pin device, all samples may be spotted on one 8 x 12 cm membrane. Subarrays may contain 64 samples, one from each patient. Where the 96 subarrays are identical, the dot span may be 1 mm² and there may be a 1 mm space between subarrays.

Another approach is to use membranes or plates (available from NUNC, Naperville, Illinois) which may be partitioned by physical spacers e.g. a plastic grid molded over the membrane, the grid being similar to the sort of membrane applied to the bottom of multiwell plates, or hydrophobic strips. A fixed physical spacer is not preferred for imaging by exposure to flat phosphor-storage screens or x-ray films.

The present invention is illustrated in the following examples. Upon consideration of the present disclosure, one of skill in the art will appreciate that many other embodiments and variations may be made in the scope of the present invention. Accordingly, it is intended that the broader aspects of the present invention not be limited to the disclosure of the following examples. The present invention is not to be limited in scope by the exemplified embodiments which are intended as illustrations of single aspects of the invention, and compositions and methods which are functionally equivalent are within the scope of the invention. Indeed, numerous modifications and variations in the practice of the invention are expected to occur to those skilled in the art upon consideration of the present preferred embodiments. Consequently, the only limitations which should be placed upon the scope of the invention are those which appear in the appended claims.

All references cited within the body of the instant specification are hereby incorporated by reference in their entirety.

5.0 EXAMPLES

5.1 EXAMPLE 1

Novel Nucleic Acid Sequences Obtained From Various Libraries

A plurality of novel nucleic acids were obtained from cDNA libraries prepared from various human tissues and in some cases isolated from a genomic library derived from

human chromosome using standard PCR, SBH sequence signature analysis and Sanger sequencing techniques. The inserts of the library were amplified with PCR using primers specific for the vector sequences which flank the inserts. Clones from cDNA libraries were spotted on nylon membrane filters and screened with oligonucleotide probes (e.g., 7-mers) to obtain signature sequences. The clones were clustered into groups of similar or identical sequences. Representative clones were selected for sequencing.

In some cases, the 5' sequence of the amplified inserts was then deduced using a typical Sanger sequencing protocol. PCR products were purified and subjected to fluorescent dye terminator cycle sequencing. Single pass gel sequencing was done using a 377 Applied Biosystems (ABI) sequencer to obtain the novel nucleic acid sequences. In some cases RACE (Random Amplification of cDNA Ends) was performed to further extend the sequence in the 5' direction.

5.2 EXAMPLE 2

Novel Contigs

The novel contigs of the invention were assembled from sequences that were obtained from a cDNA library by methods described in Example 1 above, and in some cases sequences obtained from one or more public databases. Chromatograms were base called and assembled using a software suite from University of Washington, Seattle containing three applications designated PHRED, PHRAP, and CONSED. The sequences for the resulting contigs are designated as SEQ ID NO: 1-10,289 and are provided in the attached Sequence Listing. The contigs were assembled using an EST sequence as a seed. Then a recursive algorithm was used to extend the seed EST into an extended assemblage, by pulling additional sequences from different databases (i.e., Hyseq's database containing EST sequences, dbEST version 114, gb pri 114, and UniGene version 101) that belong to this assemblage. The algorithm terminated when there was no additional sequences from the above databases that would extend the assemblage. Inclusion of component sequences into the assemblage was based on a BLASTN hit to the extending assemblage with BLAST score greater than 300 and percent identity greater than 95%.

The nearest neighbor result for the assembled contig was obtained by a FASTA version 3 search against Genpept release 114, using Fastxy algorithm. Fastxy is an improved version of FASTA alignment which allows in-codon frame shifts. The nearest neighbor result showed the closest homologue for each assemblage from Genpept (and contains the translated amino acid sequences for which the assemblage encodes). The nearest neighbor results for SEQ ID NO: 1-10,289 are shown in Table 1.

TABLE 1: Nearest neighbor (FastA v. Genbank, Genpept release 114)

SEQ ID NO.	ACCESSION NO.	DESCRIPTION	SMITH-WATERMAN SCORE	% IDENTITY
1	L27428	Homo sapiens reverse transcriptase	253	32.129
2	X97675	Homo sapiens plakophilin 2b	167	50.794
3	U49082	Homo sapiens transporter protein	1001	56.122
4	U17247	Saccharomyces cerevisiae Imhlp	164	25.217
5	Z38061	Saccharomyces cerevisiae mal5, stal, len: 1367, CAI: 0.3, AMYH YEAST P08640 GLUCOAMYLASE S1 (EC 3.2.1.3)	320	26.144
6	AF080234	Human endogenous retrovirus K polymerase	330	46.774
7	M13101	Rattus norvegicus unknown protein	265	49.398
8	M12140	Homo sapiens envelope protein	458	40.865
9	U49974	Homo sapiens mariner transposase	545	78.571
10	AB014549	Homo sapiens KIAA0649 protein	588	81.818
11	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	266	65.789
12	AB007903	Homo sapiens KIAA0443	1527	65.445
13	X78933	Homo sapiens zinc finger protein	465	65.979
14	AF081111	Mus musculus domesticus ORF2	276	63.158
15	AF081111	Mus musculus domesticus ORF2	178	46.341
16	AB012223	Canis familiaris ORF2	271	49.485
17	X03725	Mus musculus ORF 2 (466 aa)	222	43.902
18	U49974	Homo sapiens mariner transposase	870	71.491
19	D49677	Homo sapiens U2AF1-RS2	476	67.391
20	AJ001714	Homo sapiens Myosin-IXA	261	58.750
21	U93572	Homo sapiens putative p150	295	50.000
22	AB012223	Canis familiaris ORF2	182	43.434
23	X53581	Rattus norvegicus ORF4	176	40.230
24	L27428	Homo sapiens reverse transcriptase	223	35.714
25	U93568	Homo sapiens putative p150	227	65.574
26	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	285	52.542
27	AF003535	Homo sapiens ORF2-like protein	252	42.149
28	AF123881	multiple sclerosis associated retrovirus element gag polyprotein	549	84.821
29	AF123881	multiple sclerosis associated retrovirus element gag polyprotein	391	62.500
30	AB022046	Cynops pyrrhogaster alpha1 type II collagen	151	35.294
31	AF015539	Mytilus edulis precollagen P	265	32.950
32	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	367	57.983
33	AL032660	Caenorhabditis elegans predicted using Genefinder	930	37.174

34	AJ005073	Mus musculus Alix	2666	88.565
35	AL117237	Homo sapiens hypothetical protein	523	72.656
36	U93570	Homo sapiens p40	190	33.333
37	U09116	Homo sapiens ORF2, encodes a reverse transcriptase homolog	248	47.107
38	M34651	Pseudorabies virus ORF-3 protein	159	40.206
39	L76559	Drosophila melanogaster mus308	271	51.724
40	X06745	Homo sapiens DNA polymerase alpha-subunit (AA 1 - 1462)	382	68.317
41	U83119	Rattus norvegicus ORF2 consensus sequence encoding endonuclease and reverse transcriptase minus RNaseH	161	39.831
42	U89959	Arabidopsis thaliana Similar to yeast general negative regulator of transcription subunit 1	527	38.435
43	AB012223	Canis familiaris ORF2	337	38.122
44	X52235	Homo sapiens ORFII	248	46.429
45	U93574	Homo sapiens putative p150	250	47.706
46	AB012223	Canis familiaris ORF2	361	45.802
47	M13002	Mus musculus 2855 is the position of the first start codon in ORF 2; putative	149	40.000
48	X65551	Homo sapiens antigen of the monoclonal antibody Ki-67	224	76.471
49	X03725	Mus musculus ORF 2 (466 aa)	291	45.536
50	U23857	Herpesvirus papio EBNA1	125	36.782
51	AF003535	Homo sapiens ORF2-like protein	220	42.029
52	AF003535	Homo sapiens ORF2-like protein	233	42.574
53	AB012223	Canis familiaris ORF2	357	53.077
54	X03145	Homo sapiens pot. ORF I	270	50.538
55	AF071081	Mycobacterium tuberculosis proline-rich mucin homolog	198	39.000
56	M64793	Rattus norvegicus salivary proline-rich protein	194	35.115
57	AF167320	Mus musculus zinc finger protein ZFP113	742	55.026
58	U83086	Dictyostelium discoideum LimA	200	29.126
59	Z72499	Homo sapiens herpesvirus associated ubiquitin-specific protease (HAUSP)	588	69.173
60	AF078828	Homo sapiens talin	557	71.429
61	L18966	Bos taurus pyruvate dehydrogenase phosphatase	2169	90.685
62	AF081114	Mus musculus domesticus ORF2	288	42.157
63	AF041330	Bodo saltans NADH dehydrogenase subunit 5	166	38.053
64	AF149422	Homo sapiens unknown	207	41.228
65	L27428	Homo sapiens reverse transcriptase	170	40.230
66	AF003535	Homo sapiens ORF2-like protein	292	56.731
67	AJ001563	Homo sapiens immunoglobulin heavy chain, constant region	554	77.876
68	AB012223	Canis familiaris ORF2	225	38.000
69	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	148	41.379
70	U83303	Homo sapiens line-1 reverse transcriptase	139	39.474
71	X03145	Homo sapiens pot. ORF I	217	41.509
72	AF003535	Homo sapiens ORF2-like protein	197	44.231
73	U83303	Homo sapiens line-1 reverse transcriptase	314	56.140
74	X52235	Homo sapiens ORFII	202	52.830
75	L49380	Homo sapiens transcription factor ZFM1	232	28.261
76	AF078035	Homo sapiens translation initiation	385	62.376

123	D88899	Mus musculus kidney-derived aspartic protease-like protein	242	66.071
124	U93572	Homo sapiens p40	159	30.833
125	AL117200	Caenorhabditis elegans predicted using Genefinder; preliminary prediction	193	38.095
126	AL117200	Caenorhabditis elegans predicted using Genefinder; preliminary prediction	183	37.349
127	AJ388555	Canis familiaris hypothetical protein	1720	75.703
128	L27428	Homo sapiens reverse transcriptase	226	37.313
129	U93567	Homo sapiens putative p150	470	49.524
130	AL050060	Homo sapiens hypothetical protein	286	64.000
131	Y12713	Mus musculus Gag polyprotein	270	44.444
132	M58704	Homo sapiens 12-lipoxygenase	306	60.204
133	L19713	Homo sapiens dematin	236	68.182
134	L36120	Medicago sativa proline rich protein	172	39.655
135	L26245	Homo sapiens effector cell protease receptor 1	259	47.619
136	AB028997	Homo sapiens KIAA1074 protein	286	44.697
137	AF075575	Homo sapiens dysferlin	242	59.701
138	L29028	Unknown amino acid feature: N-glycosylation sites, aa 41 .. 43, 46 .. 48, 51 .. 53, 72 .. 74, 107 .	163	45.652
139	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	485	47.584
140	AB012223	Canis familiaris ORF2	323	46.226
141	X97630	Homo sapiens serine/threonine protein kinase	322	39.474
142	D83776	Homo sapiens The KIAA0191 gene is expressed ubiquitously.; The KIAA0191 protein retains the C2H2 zinc-finger at its N-terminal region.	1932	53.103
143	U80846	Caenorhabditis elegans No definition line found	163	28.070
144	U60269	Homo sapiens putative envelope protein; orf similar to env of Type A and Type B retroviruses and to class II HERVs	521	69.079
145	X13885	Nicotiana tabacum extensin (AA 1-620)	293	26.138
146	AB012223	Canis familiaris ORF2	352	44.509
147	AF003535	Homo sapiens ORF2-like protein	248	47.423
148	AB012223	Canis familiaris ORF2	276	51.685
149	AB014574	Homo sapiens KIAA0674 protein	4403	96.296
150	X98494	Homo sapiens M phase phosphoprotein 10	254	74.194
151	AB012223	Canis familiaris ORF2	482	47.514
152	M80537	Drosophila melanogaster fat protein	549	35.043
153	X51622	Caenorhabditis elegans collagen	213	36.702
154	X87629	Homo sapiens nicotinic acetylcholine receptor	138	29.365
155	AB011126	Homo sapiens KIAA0554 protein	294	46.207
156	X55126	Mus musculus Zfp-29	522	44.907
157	M61120	Homo sapiens loricrin	183	32.240
158	U02313	Mus musculus protein kinase	238	51.807
159	AB002342	Homo sapiens KIAA0344	299	32.203
160	AF003535	Homo sapiens ORF2-like protein	246	47.573
161	U95090	Homo sapiens F19541 1	1239	59.950
162	X52235	Homo sapiens ORFII	405	54.478
163	AB012223	Canis familiaris ORF2	448	51.748
164	AB017600	Haliotis discus collagen pro alpha-chain	173	28.992
165	M13002	Mus musculus 2855 is the position of the first start codon in ORF 2; putative	381	60.177

166	X71602	Nicotiana tabacum extensin	164	36.364
167	AL117200	Caenorhabditis elegans predicted using Genefinder; preliminary prediction	304	34.641
168	X52235	Homo sapiens ORFII	231	39.024
169	M31524	Saccharomyces cerevisiae PRP16 peptide (put. helicase); putative	337	34.254
170	AB012223	Canis familiaris ORF2	444	52.841
171	AB012223	Canis familiaris ORF2	626	40.294
172	M92040	Strongylocentrotus purpuratus alpha-1 collagen	234	30.213
173	AF084205	Rattus norvegicus serine/threonine protein kinase TA01	896	85.625
174	M63595	Xenopus laevis alpha-1 type II collagen	351	30.116
175	AF085809	Mus musculus synapsin Ib	205	33.880
176	AC004794	Homo sapiens Acetolactate synthase	253	49.180
177	AL049482	Arabidopsis thaliana putative protein	487	42.366
178	U09413	Homo sapiens zinc finger protein ZNF135	906	53.138
179	AL023781	Schizosaccharomyces pombe N-terminal acetyltransferase 1	816	41.212
180	Y14685	Arabidopsis thaliana polynucleotide phosphorylase	61	41.379
181	M80341	Homo sapiens ORF2 contains a reverse transcriptase domain.; ORF2	477	51.282
182	AF003131	Caenorhabditis elegans C. elegans UNC-89 (GB:U33058) (NID:g1160355)	282	25.153
183	AL022374	Streptomyces coelicolor putative ABC transporter	181	40.299
184	U93569	Homo sapiens putative p150	886	55.294
185	U93568	Homo sapiens putative p150	256	38.583
186	X64697	Homo sapiens titin	1535	82.724
187	AB025259	Mus musculus granuphilin-b	201	31.210
188	D14663	Homo sapiens KIAA0107	346	66.055
189	AJ007798	Homo sapiens nuclear protein SA3	734	59.041
190	AB018281	Homo sapiens KIAA0738 protein	566	40.876
191	U07973	Gallus gallus alpha-1 collagen type III	207	30.189
192	M35547	Human herpesvirus 4 LF3 gene product	294	27.523
193	U53445	Homo sapiens DOC1	201	28.205
194	U76618	Mus musculus N-RAP	2955	83.422
195	M25984	Gallus gallus alpha-2 type I collagen	305	28.634
196	U41557	Caenorhabditis elegans proline and glycine-rich	437	35.018
197	AB028997	Homo sapiens KIAA1074 protein	311	50.000
198	U59694	Homo sapiens zinc finger protein basonuclin	362	44.853
199	Y10392	Human endogenous retrovirus K gag protein	761	49.550
200	AF167320	Mus musculus zinc finger protein ZFP113	536	52.288
201	X92485	Plasmodium vivax pval	269	59.036
202	U47856	Araneus diadematus fibroin-4	204	29.588
203	AB020708	Homo sapiens KIAA0901 protein	406	29.260
204	AF056936	Plasmodium falciparum mature parasite-infected erythrocyte surface antigen	240	21.245
205	Z75330	Homo sapiens nuclear protein SA-1	194	48.810
206	X92887	Human endogenous retrovirus K pol/env	693	41.833
207	X13885	Nicotiana tabacum extensin (AA 1-620)	239	31.274
208	AC005990	Arabidopsis thaliana Strong similarity to PFAM PF00069 Eukaryotic protein kinase domain.	255	34.545
209	U93563	Homo sapiens putative p150	1103	53.670

252	AL118514	Streptomyces coelicolor A3(2) DNA polymerase III subunit gamma	163	35.811
253	X66358	Homo sapiens serine/threonine protein kinase	505	88.571
254	U09413	Homo sapiens zinc finger protein ZNF135	1102	45.498
255	AL079308	Streptomyces coelicolor putative serine/threonine protein kinase	168	42.593
256	AF169388	Mus musculus alpha 4 collagen IV	240	27.609
257	U93564	Homo sapiens putative p150	260	37.727
258	M12140	Homo sapiens envelope protein	395	59.322
259	AC004955	Homo sapiens supported by ESTs T61992 (NID:g665235) and W26450 (NID:g1307167) and Genscan	268	64.103
260	Z82268	Unknown cDNA EST yk338g10.5 comes from this gene; cDNA EST EMBL:D27934 comes from this gene; cDNA E	517	30.081
261	M26927	Gibbon leukemia virus pol polyprotein	557	50.754
262	AB011152	Homo sapiens KIAA0580 protein	712	44.747
263	X87226	Jaculus orientalis NAD-dependent glyceraldehyde 3-phosphate dehydrogenase (phosphorylating)	214	47.321
264	U44091	Rattus norvegicus atrophin-1 related protein	178	33.511
265	Z98980	Schizosaccharomyces pombe wiskott-alldrich syndrome protein homolog 1	227	26.070
266	Z79694	Caenorhabditis elegans predicted using Genefinder; similar to collagen; cDNA EST yk552a12.3 comes from this gene	158	29.333
267	AF144627	Mus musculus SLIT1	377	29.368
268	D00824	Gallus gallus alpha 1 chain of type XII collagen	110	40.566
269	AB011414	Homo sapiens Kruppel-type zinc finger protein	792	56.650
270	X52046	Mus musculus type III collagen	481	32.472
271	M11723	Homo sapiens coagulation factor XII	1618	81.379
272	M22334	Homo sapiens unknown protein	755	45.455
273	X69490	Homo sapiens titin	214	65.574
274	M22334	Homo sapiens unknown protein	360	50.000
275	U35022	Rattus norvegicus cis-Golgi matrix protein GM130	323	47.097
276	X03725	Mus musculus ORF 2 (466 aa)	287	48.855
277	L08811	Drosophila melanogaster adherin	662	32.822
278	K02444	Oryctolagus cuniculus beta-myosin heavy chain	385	46.753
279	AB018312	Homo sapiens KIAA0769 protein	435	43.541
280	AF071081	Mycobacterium tuberculosis proline-rich mucin homolog	196	35.065
281	AB011164	Homo sapiens KIAA0592 protein	758	82.468
282	AF045239	Homo sapiens brain expressed ring finger protein	310	28.205
283	AL110218	Homo sapiens hypothetical protein	473	63.380
284	U10281	Sus scrofa gastric mucin	188	24.706
285	U93570	Homo sapiens putative p150	305	53.968
286	U56964	Caenorhabditis elegans weak similarity to S. cerevisiae intracellular protein transport protein US)1 (SP:P25386)	766	31.866
287	U70136	Homo sapiens megakaryocyte stimulating factor; MSF	208	23.928
288	Z78279	Rattus norvegicus Collagen alpha1	194	29.042

329	AF000996	Homo sapiens ubiquitous TPR motif, Y isoform	269	75.510
330	Z54238	Caenorhabditis elegans T28C6.1	184	41.667
331	AB012223	Canis familiaris ORF2	671	42.784
332	U09413	Homo sapiens zinc finger protein ZNF135	978	60.996
333	AL031985	Homo sapiens dJ228H13.3 (zinc finger protein)	936	72.928
334	AB000462	Homo sapiens SH3 binding protein	249	47.273
335	D80009	Homo sapiens KIAA0187	569	60.804
336	U41021	Caenorhabditis elegans C. elegans mec-2 (GB:U26735)	239	39.552
337	AJ243460	Leishmania major proteophosphoglycan	231	27.246
338	U23484	Caenorhabditis elegans weakly similar to serine/threonine protein kinase	667	35.840
339	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	437	59.690
340	U41557	Caenorhabditis elegans proline and glycine-rich	444	33.679
341	AB012223	Canis familiaris ORF2	279	39.806
342	X52235	Homo sapiens ORFII	369	56.897
343	AF108843	Homo sapiens env protein	762	56.696
344	X16711	Homo sapiens COL2A1	289	31.186
345	AJ012371	Homo sapiens NAALADase L protein	819	72.512
346	AB001535	Homo sapiens similar to C.elegans hypothetical protein CET01H8.1,CEC05C12.3,CEF54D1.5. similar to trp and trp-like proteins	888	38.795
347	M15103	Plasmodium cynomolgi circumsporozoite antigen	125	24.402
348	AF062655	Mus musculus plenty-of-prolines-101; POP101; SH3-philo-protein	470	25.698
349	AF081111	Mus musculus domesticus ORF2	301	38.255
350	L07924	Mus musculus guanine nucleotide dissociation stimulator	249	31.799
351	L35601	Drosophila melanogaster ankyrin	247	25.092
352	D88764	Rana catesbeiana alpha 2 type I collagen	258	28.231
353	D10354	Rattus rattus alanine aminotransferase	516	53.439
354	AB014561	Homo sapiens KIAA0661 protein	46	35.294
355	U97553	murine herpesvirus 68 unknown	254	31.701
356	L27428	Homo sapiens reverse transcriptase	228	43.810
357	AB012223	Canis familiaris ORF2	227	49.451
358	AC003682	Homo sapiens R28830 1	669	54.067
359	AF006466	Mus musculus lymphocyte specific formin related protein	421	52.071
360	AF015539	Mytilus edulis precollagen P	235	29.258
361	Z77664	Unknown predicted using Genefinder; similar to Zinc finger, C2H2 type; cDNA EST CEMSC43F comes from	208	39.623
362	Y07752	Volvox carteri pherophorin-S	239	41.053
363	K02623	Drosophila melanogaster tropomyosin isoform 33 (9C)	212	36.774
364	D86983	Homo sapiens similar to D.melanogaster peroxidase(U11052)	450	29.442
365	AL021747	Schizosaccharomyces pombe hypothetical protein	388	31.599
366	AB020671	Homo sapiens KIAA0864 protein	681	82.677
367	K01228	Homo sapiens alpha 1 (I) chain propeptide	217	32.258
368	AF003535	Homo sapiens ORF2-like protein	357	54.902

406	X90568	Homo sapiens Protein sequence and annotation available soon via Swiss-Prot; available at present via e-mail from LABEIT@EMBL-Heidelberg.DE	783	79.268
407	X51394	Xenopus laevis APEG precursor protein	141	32.584
408	AJ223069	Mus musculus TCF-3 protein	1337	86.307
409	X14420	Homo sapiens prepro-alpha-1 type 3 collagen	339	29.250
410	X51616	Volvox carteri SULFATED SURFACE GLYCOPROTEIN 185	224	37.190
411	U96113	Homo sapiens WWP1	157	28.916
412	X83413	Human herpesvirus 6 U88	270	34.118
413	Z34465	Zea mays extensin-like protein	306	29.032
414	U24246	Drosophila melanogaster I71-7	228	36.232
415	U08020	Mus musculus collagen pro-alpha-1 type I chain	369	32.374
416	X83413	Human herpesvirus 6 U88	402	65.049
417	Z67990	Caenorhabditis elegans similar to cuticle collagen	246	35.829
418	AL078635	Amycolatopsis orientalis putative WD-repeat containing protein	142	28.571
419	U43541	Mus musculus laminin beta 2	507	43.023
420	Z70756	Caenorhabditis elegans predicted using Genefinder; similar to collagen; cDNA EST EMBL:D66041 comes from this gene; cDNA EST EMBL:D66295 comes from this gene; cDNA EST EMBL:D69679 comes from this gene; cDNA EST EMBL:D70027 comes from this gene	114	27.632
421	M22333	Homo sapiens unknown protein	268	49.275
422	AB012223	Canis familiaris ORF2	292	42.520
423	AL117201	Caenorhabditis elegans predicted using Genefinder	187	25.934
424	U97553	murine herpesvirus 68 unknown	379	32.599
425	U09116	Homo sapiens ORF2, encodes a reverse transcriptase homolog	361	40.686
426	AF169388	Mus musculus alpha 4 collagen IV	292	28.723
427	Y17832	Human endogenous retrovirus K pol protein	850	59.817
428	X14420	Homo sapiens prepro-alpha-1 type 3 collagen	275	33.007
429	AB008372	Oncorhynchus mykiss alpha 2 type I collagen	186	30.485
430	U93568	Homo sapiens putative p150	555	49.772
431	AB012223	Canis familiaris ORF2	195	40.000
432	X04758	Homo sapiens pro- alpha (V)collagen (AA 1099)	220	30.078
433	U80076	Rattus norvegicus RIN1	326	36.493
434	AC002398	Homo sapiens F25965 3	533	69.697
435	AF000198	Caenorhabditis elegans Similar to cuticular collagen	272	31.600
436	AF114486	Drosophila melanogaster Zimp-B	273	30.114
437	AL021811	Arabidopsis thaliana putative protein	816	51.154
438	Z69368	Schizosaccharomyces pombe hypothetical divergent repeat-containing protein	178	31.285
439	U73819	Mus musculus polypeptide GalNAc transferase-T4	366	40.838
440	X86019	Homo sapiens SH3-domain interacting protein	190	32.000

		protein		
527	AF116463	Streptomyces lincolnensis unknown	183	33.649
528	K03205	Homo sapiens salivary proline-rich protein precursor	182	34.586
529	M96943	Homo sapiens profilaggrin	248	27.817
530	Z34465	Zea mays extensin-like protein	213	29.680
531	AF053538	Alvinella pompejana fibrillar collagen chain FAp1 alpha	218	35.628
532	U00048	Caenorhabditis elegans No definition line found	520	32.759
533	AF020261	Santalum album proline rich protein	233	31.579
534	AC002310	Homo sapiens Unknown gene product	907	65.929
535	AJ243997	Homo sapiens ERIC1	264	50.355
536	U32189	Oryctolagus cuniculus histidine-rich glycoprotein precursor	291	47.458
537	AF003535	Homo sapiens ORF2-like protein	355	44.000
538	AB012223	Canis familiaris ORF2	219	38.211
539	L11672	Homo sapiens zinc finger protein	1730	42.364
540	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	337	38.538
541	M34225	Homo sapiens cytokeratin 8	580	72.603
542	AF071081	Mycobacterium tuberculosis proline-rich mucin homolog	167	27.559
543	U40953	Caenorhabditis elegans No definition line found	206	31.746
544	AF029310	Rattus norvegicus vanilloid receptor subtype 1	348	39.735
545	X03145	Homo sapiens pot. ORF I	227	34.395
546	U35376	Homo sapiens repressor transcriptional factor	917	51.136
547	U93564	Homo sapiens putative p150	254	47.222
548	X83413	Human herpesvirus 6 U88	257	41.606
549	AF030430	Mus musculus semaphorin VIa	531	43.644
550	AF018082	Homo sapiens type XVIII collagen	298	30.162
551	AB028997	Homo sapiens KIAA1074 protein	701	49.811
552	U07973	Gallus gallus alpha-1 collagen type III	184	28.829
553	U93563	Homo sapiens putative p150	278	36.508
554	X53581	Rattus norvegicus ORF3	487	64.800
555	U93568	Homo sapiens putative p150	228	42.424
556	Z14015	Nicotiana tabacum pistil extensin like protein	187	29.302
557	X55995	Rattus norvegicus dimethylglycine dehydrogenase	1412	91.111
558	AF062655	Mus musculus plenty-of-prolines-101; POP101; SH3-philo-protein	155	25.652
559	AF042800	Homo sapiens suppressor of white apricot homolog 2	1369	67.204
560	AF109907	Homo sapiens S171	450	47.849
561	AL033534	Schizosaccharomyces pombe serine-rich protein	159	24.759
562	X53581	Rattus norvegicus ORF4	310	47.107
563	AB015438	Cynops pyrrhogaster alpha 1 type I collagen	534	29.097
564	AC003973	Homo sapiens ZNF91L	662	49.794
565	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	461	57.432
566	AB012223	Canis familiaris ORF2	420	45.789
567	U43360	Peromyscus maniculatus reverse transcriptase	339	48.592
568	AF003535	Homo sapiens ORF2-like protein	267	57.732

569	D38548	Homo sapiens The ha0936 gene product is novel.	421	34.247
570	M22334	Homo sapiens unknown protein	299	46.053
571	X83413	Human herpesvirus 6 U88	407	42.593
572	AF055904	Myxococcus xanthus unknown	150	38.889
573	K03204	Homo sapiens salivary proline-rich protein precursor	220	36.310
574	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	368	65.979
575	X51394	Xenopus laevis APEG precursor protein	317	34.091
576	M22334	Homo sapiens unknown protein	631	51.101
577	X90569	Homo sapiens elastic titin	270	35.455
578	X51394	Xenopus laevis APEG precursor protein	263	31.773
579	AB008372	Oncorhynchus mykiss alpha 2 type I collagen	266	31.116
580	AE001727	Thermotoga maritima conserved hypothetical protein	226	28.571
581	U08020	Mus musculus collagen pro-alpha-1 type I chain	179	32.203
582	AJ132099	Homo sapiens VNN1 protein	944	70.936
583	AB020629	Homo sapiens KIAA0822 protein	1552	70.904
584	M76671	Lycopersicon esculentum extensin (class II)	238	31.361
585	AC004144	Homo sapiens R34001 1	1611	78.571
586	D31909	Pneumocystis carinii ORF-3	210	32.857
587	AB012223	Canis familiaris ORF2	213	39.695
588	AL117200	Caenorhabditis elegans predicted using Genefinder; preliminary prediction	320	25.123
589	M83179	Gallus gallus alpha-3 type IX collagen	218	28.713
590	X03725	Mus musculus ORF 2 (466 aa)	262	41.880
591	Z78018	Caenorhabditis elegans predicted using Genefinder; similar to serine/threonine kinase; cDNA EST yk353d10.5 comes from this gene	1258	36.444
592	Z34465	Zea mays extensin-like protein	238	30.556
593	Z68760	Homo sapiens Similarity to Human ankaryin (SW:ANKB_HUMAN); cDNA EST EMBL:D34286 comes from this gene; cD	362	37.952
594	AB028236	Tricholoma matsutake Pol (reverse transcriptase-RNase H-integrase)	172	31.111
595	AF053745	Mus dunni endogenous virus gag protein	205	37.615
596	X92887	Human endogenous retrovirus K pol/env	586	64.493
597	AB002321	Homo sapiens KIAA0323	1358	85.169
598	L32973	Mus musculus This ORF is capable of encoding 432 aa which is similar to thymidylate kinases especially at two domains: the p-loop or catalytic site and the substrate binding site; ORF	1011	80.952
599	M22333	Homo sapiens unknown protein	418	46.000
600	AF033811	Moloney murine leukemia virus Pr180	359	50.376
601	AF026954	Bos taurus pyruvate dehydrogenase phosphatase regulatory subunit precursor; PDPr	797	72.131
602	M13100	Rattus norvegicus unknown protein	286	41.781
603	D42043	Homo sapiens The ha2022 gene product is novel.	1232	75.746
604	AL110188	Homo sapiens hypothetical protein	657	50.746
605	U41557	Caenorhabditis elegans proline and glycine-rich	255	30.154

641	Z74615	Homo sapiens prepro-alpha1(I) collagen	306	29.108
642	U41387	Homo sapiens Gu protein	843	60.484
643	Z92546	Homo sapiens bK65A6.1	1700	90.175
644	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	365	44.390
645	L36381	Neisseria gonorrhoeae putative	181	38.462
646	D38162	Mus musculus mouse a1(XI) collagen chain	176	37.264
647	AF055904	Myxococcus xanthus unknown	192	33.166
648	AB023222	Homo sapiens KIAA1005 protein	472	37.805
649	U43200	Boreogadus saida antifreeze glycopeptide AFGP polyprotein precursor	149	40.157
650	U43200	Boreogadus saida antifreeze glycopeptide AFGP polyprotein precursor	232	31.687
651	AF071172	Homo sapiens HERC2	797	81.765
652	AF098788	Gallus gallus nuclear calmodulin-binding protein	2383	61.111
653	U47855	Araneus diadematus fibroin-3	386	28.099
654	AF083334	Antheraea pernyi fibroin	256	33.923
655	L02897	Canis familiaris beta-spectrin	164	27.962
656	U93572	Homo sapiens putative p150	377	55.814
657	AF071081	Mycobacterium tuberculosis proline-rich mucin homolog	266	33.562
658	L28125	Podospira anserina beta transducin-like protein	316	26.525
659	AF031588	Homo sapiens WASP interacting protein	266	30.102
660	AC006135	Arabidopsis thaliana putative vicilin storage protein (globulin-like)	389	41.618
661	Z38061	Saccharomyces cerevisiae mal5, stal, len: 1367, CAI: 0.3, AMYH_YEAST P08640 GLUCOAMYLASE S1 (EC 3.2.1.3)	230	22.689
662	AL033514	Caenorhabditis elegans Y75B8A.12	510	41.441
663	X12928	Triticum aestivum HMW glutenin subunit 5 (AA 1-848)	312	30.033
664	U93564	Homo sapiens putative p150	933	62.195
665	U93572	Homo sapiens putative p150	338	48.673
666	Y12713	Mus musculus Gag polyprotein	288	45.528
667	M13100	Rattus norvegicus unknown protein	239	42.056
668	AF000298	Caenorhabditis elegans weak similarity to collagens; glycine- and proline-rich	246	29.562
669	M19419	Mus musculus proline-rich salivary protein	261	38.743
670	X53581	Rattus norvegicus ORF3	332	54.491
671	Y10392	Human endogenous retrovirus K gag protein	273	44.144
672	X61294	Rattus norvegicus L1 retroposon, a portion of its ORF2 sequence	291	38.144
673	U43360	Peromyscus maniculatus reverse transcriptase	215	45.614
674	U93572	Homo sapiens putative p150	396	57.554
675	AF081113	Mus musculus domesticus ORF1	188	45.370
676	U49974	Homo sapiens mariner transposase	590	72.222
677	AF083384	Homo sapiens 45kDa splicing factor; SPF 45	654	73.649
678	Y17833	Human endogenous retrovirus K gag protein	277	44.860
679	X67863	Mus musculus T2	179	37.857
680	X59244	Homo sapiens ZNF43	519	50.282
681	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	194	41.538
682	U64849	Caenorhabditis elegans Contains similarity to Pfam domain: PF00646 (F-	974	44.475

		box), Score=28.7, E-value=4.3e-05, N=1		
683	AF121009	Mycobacterium tuberculosis H37Rv hypothetical protein Jv0534	273	31.429
684	X01469	Plasmodium lophurae histidine-rich protein	298	56.410
685	AB012223	Canis familiaris ORF2	290	54.545
686	Z92546	Homo sapiens bK65A6.1	411	43.333
687	Z81515	Unknown cDNA EST EMBL:T01055 comes from this gene; cDNA EST EMBL:D74980 comes from this gene; cDNA	328	24.746
688	AF067607	Caenorhabditis elegans Similar to cuticular collagen; C18H7.3	183	30.594
689	X17403	human herpesvirus 5 HCMVUL61	185	31.188
690	AF036145	Homo sapiens meningioma-expressed antigen 5	675	70.909
691	AJ132828	Spermatozopsis similis p210 protein	229	30.802
692	X58251	Mus musculus pro-alpha-2(I) collagen	201	26.974
693	X63134	Zea mays hydroxyproline-rich glycoprotein	195	26.210
694	X56044	Mus musculus protein Htf9C	1143	63.023
695	Z34465	Zea mays extensin-like protein	188	32.800
696	V01555	Human herpesvirus 4 BRLF1 reading frame, (immediate?) early gene, acts as transcription activator.	164	30.319
697	AB012223	Canis familiaris ORF2	540	46.377
698	AF081111	Mus musculus domesticus ORF2	727	46.201
699	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	347	61.538
700	AF003535	Homo sapiens ORF2-like protein	328	49.032
701	Z84476	Homo sapiens dJ25J6.4 (ret finger protein)	292	32.639
702	U34781	Anthopleura elegantissima Antho-LWamidII preprohormone	300	32.584
703	L26953	Homo sapiens chromosomal protein	199	68.000
704	D12983	Pyrococcus furiosus DNA polymerase	1140	96.923
705	AB014596	Homo sapiens KIAA0696 protein	723	86.232
706	AF030131	Mus musculus Plenty of SH3s; POSH	132	25.328
707	L29029	Chlamydomonas reinhardtii amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 .. 265	205	33.846
708	X83413	Human herpesvirus 6 U88	213	40.299
709	Z81503	Caenorhabditis elegans predicted using Genefinder; similar to collagen; cDNA EST EMBL:D65450 comes from this gene; cDNA EST EMBL:D68888 comes from this gene	130	30.151
710	D13645	Homo sapiens KIAA0020	641	80.435
711	U94855	Homo sapiens translation initiation factor 3 47 kDa subunit	276	75.556
712	AC007192	Homo sapiens P85B_HUMAN; PTDINS-3-KINASE P85-BETA	1055	77.432
713	D83146	Mus musculus Six5	327	53.600
714	M60832	Homo sapiens alpha-2 type VIII collagen	200	33.673
715	L48440	Rattus norvegicus collagen alpha 1 type II	286	33.639
716	L48440	Rattus norvegicus collagen alpha 1 type II	283	29.070
717	AB012223	Canis familiaris ORF2	343	37.727

		protein kinase TA01		
757	U40342	Mus musculus ninein	660	64.072
758	AF055077	Homo sapiens zinc finger protein 42	595	32.447
759	M12100	Mus musculus proline-rich protein MP-3	207	48.810
760	AF140675	Homo sapiens zinc metalloprotease ADAMTS7	413	46.970
761	X53581	Rattus norvegicus ORF2	188	42.718
762	U40342	Mus musculus ninein	1779	76.903
763	AC003027	Arabidopsis thaliana lcl prt_seq No definition line found	277	41.406
764	U88549	Mus musculus OL-protocadherin	760	89.516
765	U45958	Nicotiana glauca pistil extensin-like protein	182	32.800
766	U55816	Rattus norvegicus furosemide-sensitive K-Cl cotransporter	5046	98.710
767	D30612	Homo sapiens repressor protein	1280	42.786
768	AB011135	Homo sapiens KIAA0563 protein	1104	77.193
769	AB029014	Homo sapiens KIAA1091 protein	9111	99.852
770	X83413	Human herpesvirus 6 U88	253	48.673
771	X03145	Homo sapiens pot. ORF V	212	39.286
772	AB023183	Homo sapiens KIAA0966 protein	407	98.485
773	X15334	Homo sapiens creatine kinase B	195	56.667
774	M98502	Mus musculus pMLZ-4	677	63.571
775	AF003535	Homo sapiens ORF2-like protein	175	50.602
776	AF109905	Mus musculus Hsc70t	355	88.060
777	U90126	Bos taurus ABC transporter	230	35.294
778	U09411	Homo sapiens zinc finger protein ZNF132	611	65.873
779	U49974	Homo sapiens mariner transposase	494	77.670
780	D86974	Homo sapiens KIAA0220	1169	97.238
781	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	669	79.699
782	AB014607	Homo sapiens KIAA0707 protein	396	75.309
783	M62626	Homo sapiens homeobox protein	264	74.545
784	L01790	Drosophila melanogaster potential zinc-finger domains centered at aa 135 and aa 364; 43 kDa protein; putative	743	48.230
785	AL080157	Homo sapiens hypothetical protein	352	77.632
786	L01790	Drosophila melanogaster potential zinc-finger domains centered at aa 135 and aa 364; 43 kDa protein; putative	673	50.249
787	X83413	Human herpesvirus 6 U88	47	41.379
788	X94082	Xenopus laevis KLP2 protein	497	39.844
789	AB006628	Homo sapiens KIAA0290	414	44.898
790	X78932	Homo sapiens zinc finger protein	361	53.043
791	U93909	Cercopithecine herpesvirus 15 nuclear antigen EBNA-1	137	41.379
792	AB002304	Homo sapiens KIAA0306	910	73.729
793	AJ000517	Homo sapiens spinocerebellar ataxia 7	890	43.280
794	L22858	Autographa californica nucleopolyhedrovirus AcOrf-91 peptide	201	51.515
795	A09561	synthetic construct human serum albumin	1295	99.487
796	U00029	Saccharomyces cerevisiae Yhr217cp	169	45.946
797	AB005803	Homo sapiens histidine-rich glycoprotein	244	43.038
798	U25725	Homo sapiens AH antigen	1128	98.333
799	D63487	Homo sapiens The KIAA0153 gene product is related to a putative C.elegans gene encoded in cosmid F42A8.	349	69.512
800	AJ222801	Homo sapiens neutral sphingomyelinase	250	73.214
801	AL035652	Homo sapiens dJ1J6.1 (topoisomerase (DNA) I)	165	92.000

925	U41538	Caenorhabditis elegans proline rich	226	36.066
926	AF071544	Spinacia oleracea ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit N-methyltransferase I	195	30.147
927	Z95334	Schizosaccharomyces pombe hypothetical protein	2386	52.191
928	AF007872	Homo sapiens torsinB	235	43.011
929	AF151847	Homo sapiens CGI-89 protein	796	56.784
930	AL031848	Homo sapiens dJ20208.1 (novel rat Espin LIKE protein containing Ank repeats)	171	41.304
931	AF053356	Homo sapiens leucin rich neuronal protein	1259	99.490
932	U37501	Mus musculus laminin alpha 5 chain	449	53.289
933	AL031447	Homo sapiens dJ126A5.2.1 (novel protein) (isoform 1)	176	26.370
934	AJ010901	Homo sapiens MUC4	276	25.872
935	AJ007395	Homo sapiens QA79 membrane protein	547	63.699
936	AF064254	Homo sapiens very long-chain acyl-CoA synthetase homolog 1; VLCS-H1	454	81.720
937	U28377	Escherichia coli ORF_f246; alternate name yggE'; orf6 of X14436	430	94.521
938	U37248	Homo sapiens alpha-mannosidase	363	52.113
939	L20319	Rattus norvegicus developmentally regulated protein	639	76.336
940	AB007895	Homo sapiens KIAA0435	988	64.502
941	U22815	Homo sapiens LAR-interacting protein 1a	976	68.254
942	AF043695	Caenorhabditis elegans similar to the protein phosphates 2c family	259	30.435
943	D86560	Schizosaccharomyces pombe carboxypeptidase Y	183	31.783
944	AB015289	Gallus gallus BASH	191	42.857
945	X65165	Volvox carteri extensin	235	39.806
946	AB023216	Homo sapiens KIAA0999 protein	1157	79.661
947	AF010403	Homo sapiens ALR	180	36.029
948	AF003535	Homo sapiens ORF2-like protein	176	52.459
949	Z99271	Caenorhabditis elegans similar to zinc metallopeptidase (M8 family); cDNA EST EMBL:C07771 comes from this gene; cDNA EST EMBL:C09261 comes from this gene; cDNA EST yk259c1.5 comes from this gene	495	40.506
950	Y17920	Drosophila melanogaster CALO protein	741	42.525
951	AF074086	Homo sapiens polymerase	2590	84.774
952	D86983	Homo sapiens similar to D.melanogaster peroxidase(U11052)	1173	67.568
953	U13152	Mesocricetus auratus guanine nucleotide-binding protein beta 5	2174	85.158
954	S58722	Homo sapiens X-linked retinopathy protein {C-terminal, clone XEH.8c}	179	76.316
955	AF084205	Rattus norvegicus serine/threonine protein kinase TA01	2886	98.670
956	Y11710	Homo sapiens collagen type XIV	1892	100.000
957	AC004893	Homo sapiens similar to NEDD-4 (KIA0093); similar to P46934 (PID:g1171682)	316	80.000
958	X52046	Mus musculus type III collagen	260	32.215
959	AF149422	Homo sapiens unknown	329	42.537
960	AF037364	Homo sapiens paraneoplastic neuronal antigen MA1	289	36.810
961	U15784	Mus musculus Shcp52	216	45.098

962	AB029290	Homo sapiens actin binding protein ABP620	1780	100.000
963	AF057140	Homo sapiens cargo selection protein TIP47	511	38.095
964	U29156	Mus musculus involved in signaling by the epidermal growth factor receptor; Method: conceptual translation supplied by author	1321	95.516
965	X67863	Mus musculus T2	182	37.895
966	AB029014	Homo sapiens KIAA1091 protein	9111	99.852
967	AB014568	Homo sapiens KIAA0668 protein	558	75.940
968	AF017777	Drosophila melanogaster misato	654	30.948
969	AF071186	Mus musculus WW domain binding protein 11	230	35.915
970	AC004865	Homo sapiens similar to KIAA0319; similar to AB002317 (PID:g2224579)	1715	93.857
971	AF109719	Mus musculus BAT2	1132	36.805
972	AC007019	Arabidopsis thaliana hypothetical protein	648	37.183
973	AF003739	Caenorhabditis elegans No definition line found	412	51.402
974	AJ000517	Homo sapiens spinocerebellar ataxia 7	890	43.280
975	AF016252	Rattus norvegicus Spinophilin	2415	98.947
976	Z70208	Caenorhabditis elegans predicted using Genefinder; similar to collagen	165	34.459
977	AJ010482	Homo sapiens Myopodin protein	699	36.627
978	U92072	Rattus norvegicus m-tomosyn	1148	94.505
979	Z74037	Caenorhabditis elegans predicted using Genefinder; similar to collagen	203	30.366
980	U55816	Rattus norvegicus furosemide-sensitive K-Cl cotransporter	729	83.436
981	Z46259	Saccharomyces cerevisiae NO348	273	26.923
982	U26397	Rattus norvegicus inositol polyphosphate 4-phosphatase	384	28.378
983	AB002320	Homo sapiens KIAA0322	930	94.231
984	AB020678	Homo sapiens KIAA0871 protein	1181	66.182
985	AB026190	Homo sapiens Kelch motif containing protein	930	47.975
986	X56044	Mus musculus protein Htf9C	400	39.037
987	AF109907	Homo sapiens S164	317	27.341
988	AB000215	Rattus norvegicus CCA1 protein	1516	89.615
989	AF091457	Rattus norvegicus zinc finger protein RIN ZF	1474	81.851
990	AC006193	Arabidopsis thaliana Hypothetical Protein	481	32.155
991	D86966	Homo sapiens similar to human ZFY protein.	544	46.023
992	U22818	Cricetulus griseus mutant sterol regulatory element binding protein-2	729	74.342
993	AB017614	Mus musculus OASIS protein	724	64.062
994	D87682	Homo sapiens similar to a C.elegans protein encoded in cosmid T26A5.	1380	80.135
995	M17921	human herpesvirus 1 latency associated transcript (LAT) ORF-2	266	56.818
996	AF151821	Homo sapiens CGI-63 protein	180	85.294
997	AF128625	Homo sapiens CDC42-binding protein kinase beta	5379	99.509
998	U43194	Mus musculus rhophilin	1007	45.966
999	AF009039	Homo sapiens synaptojanin	180	34.127

1000	AF005036	Mus musculus secretory carrier membrane protein	584	55.705
1001	U02289	Caenorhabditis elegans GTPase-activating protein	650	42.606
1002	X52022	Homo sapiens collagen type VI, alpha 3 chain	412	50.758
1003	U22376	Homo sapiens alternatively spliced product using exon 13A	322	71.622
1004	AF032103	Homo sapiens ataxin-7	833	44.702
1005	U56732	Rattus norvegicus KRAB/zinc finger suppressor protein 1	1459	50.336
1006	AJ010949	Mus musculus calcium channel alpha-2-delta-C subunit	604	49.444
1007	M16591	Homo sapiens protein-tyrosine kinase	234	89.583
1008	U28831	Homo sapiens protein that is immuno-reactive with anti-PTH polyclonal antibodies	2221	95.263
1009	AF103939	Homo sapiens echinoderm microtubule-associated protein-like EMAP2	1283	56.051
1010	U76992	Homo sapiens Tat-SF1	410	48.000
1011	U93872	Kaposi's sarcoma-associated herpesvirus ORF 73, contains large complex repeat CR 73	164	25.874
1012	Z75543	Caenorhabditis elegans cDNA EST EMBL:M89063 comes from this gene; cDNA EST yk384f1.3 comes from this gene; cDNA EST yk384f1.5 comes from this gene	250	32.773
1013	M25393	Homo sapiens protein tyrosine phosphatase	996	91.617
1014	X90569	Homo sapiens elastic titin	1746	82.390
1015	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	226	69.811
1016	AF187961	Schizosaccharomyces pombe ubiquitin carboxyl-terminal hydrolase	498	30.311
1017	AF186461	Rattus norvegicus ring finger protein Fxy	53	30.233
1018	AL035526	Arabidopsis thaliana extensin-like protein	222	36.196
1019	X65165	Volvox carteri extensin	223	40.458
1020	X98411	Homo sapiens myosin-IE	192	33.140
1021	Z81561	Caenorhabditis elegans cDNA EST yk338f6.5 comes from this gene; cDNA EST EMBL:D75296 comes from this gene	279	33.333
1022	Y17833	Human endogenous retrovirus K pol protein	813	85.034
1023	Z74035	Unknown similar to Zinc finger, C3HC4 type (RING finger); cDNA EST EMBL:D32547 comes from this gene	237	22.492
1024	Z14020	Nicotiana tabacum Pistil extensin like protein, partial CDS only	188	50.649
1025	AC002310	Homo sapiens Unknown gene product	187	56.140
1026	X90849	Gallus gallus polybromo 1 protein	2869	86.614
1027	D13896	Rattus norvegicus cytoplasmic dynein heavy chain	1642	98.540
1028	U09116	Homo sapiens ORF1, encodes a 40 kDa product	371	50.407
1029	U23519	Caenorhabditis elegans No definition line found	278	31.343
1030	U37263	Homo sapiens KRAB zinc finger protein; Method: conceptual translation supplied by author	331	46.847
1031	AB014511	Homo sapiens KIAA0611 protein	976	65.339
1032	Y10392	Human endogenous retrovirus K gag protein	706	43.983
1033	L25050	Homo sapiens serine/proline-rich protein	521	57.396
1034	AB006624	Homo sapiens KIAA0286	433	31.897
1035	AF055636	Homo sapiens leucine-rich glioma-inactivated protein precursor	934	52.459
1036	U66707	Rattus norvegicus densin-180	807	84.049
1037	AF096896	Drosophila melanogaster pushover	294	33.333
1038	AF139185	Rattus norvegicus myomegalin	208	30.366

1039	Z11527	Drosophila melanogaster CYS3HIS finger protein	389	51.754
1040	X87342	Homo sapiens Human giant larvae homologue	1057	95.181
1041	Z97184	Homo sapiens BING1	784	96.992
1042	Y09022	Homo sapiens Not56-like protein	1062	90.217
1043	AB018325	Homo sapiens KIAA0782 protein	202	43.363
1044	AF155101	Homo sapiens putative kruppel-related zinc finger protein NY-REN-23 antigen	740	42.388
1045	AP000058	Aeropyrum pernix 246aa long hypothetical protein	252	41.818
1046	X65165	Volvox carteri extensin	257	46.250
1047	AC003080	Homo sapiens Similar to KIAA0299; 60% similarity to AB002297 (PID:g2224539)	2058	99.068
1048	AL110151	Homo sapiens hypothetical protein	352	37.288
1049	U25116	Dictyostelium discoideum cytoplasmic dynein intermediate chain	187	29.655
1050	D28863	Anthocidaris crassispina dynein intermediate chain 3	1166	71.193
1051	X12609	Homo sapiens anion transport protein (AA 1 - 911)	245	45.390
1052	Z54327	Caenorhabditis elegans C26D10.4	451	33.028
1053	U82808	Homo sapiens muscle-specific serine kinase 1	233	78.000
1054	AB002384	Homo sapiens KIAA0386	241	25.566
1055	AF117814	Mus musculus odd-skipped related 1 protein	984	94.156
1056	AF151840	Homo sapiens CGI-82 protein	363	45.890
1057	AL117448	Homo sapiens hypothetical protein	1107	74.180
1058	X90568	Homo sapiens Protein sequence and annotation available soon via Swiss-Prot; available at present via e-mail from LABELIT@EMBL-Heidelberg.DE	969	98.658
1059	M26312	Oryctolagus cuniculus unknown protein	190	36.220
1060	AB020662	Homo sapiens KIAA0855 protein	520	37.808
1061	M27878	Homo sapiens DNA binding protein	721	71.852
1062	U22058	Mus musculus ADAM 4 protein precursor	689	63.704
1063	AF003622	Drosophila melanogaster A-kinase anchor protein DAKAP550	947	62.128
1064	AF017368	Mus musculus faciogenital dysplasia protein 2	2115	86.301
1065	X83413	Human herpesvirus 6 U88	550	55.645
1066	AF040642	Caenorhabditis elegans contains similarity to transacylases	800	35.476
1067	U88157	Rattus norvegicus PAM COOH-terminal interactor protein 10a	541	73.171
1068	AF155117	Homo sapiens NY-REN-62 antigen	1320	69.470
1069	AC002310	Homo sapiens Unknown gene product	187	56.140
1070	L09190	Homo sapiens trichohyalin	239	21.471
1071	X57017	Saccharomyces cerevisiae acetylglutamate kinase	418	27.020
1072	AB028978	Homo sapiens KIAA1055 protein	394	35.455
1073	U97553	murine herpesvirus 68 unknown	234	30.065
1074	L16507	Sus scrofa formiminotransferase-cyclodeaminase	776	90.076
1075	AB028997	Homo sapiens KIAA1074 protein	263	40.940
1076	X15769	Mus musculus U1RNA-associated 70-kDa protein	142	30.075
1077	X61296	Rattus norvegicus open reading frame 2	309	47.794
1078	AF181627	Drosophila melanogaster BcDNA.GH04120	699	37.669
1079	Z71408	Saccharomyces cerevisiae ORF YNL132w	1757	65.541
1080	Z47747	Homo sapiens NFKB1	322	100.000
1081	U50078	Homo sapiens p532	1085	77.209
1082	AL021918	Homo sapiens b34I8.1 (Kruppel related Zinc Finger protein 184)	893	49.801
1083	AB007859	Homo sapiens KIAA0399	805	99.213

1084	AL023704	Schizosaccharomyces pombe putative translocation elongation factor-Tu family	800	32.688
1085	AF081568	Mus musculus delta tubulin	61	56.522
1086	AF181645	Drosophila melanogaster BcDNA.GH12144	207	36.567
1087	AL021747	Schizosaccharomyces pombe hypothetical protein	349	21.492
1088	AB023216	Homo sapiens KIAA0999 protein	1157	79.661
1089	AF130441	Arabidopsis thaliana UVB-resistance protein UVR8	347	33.766
1090	AE001399	Plasmodium falciparum GAF domain protein (cyclic nt signal transduct.)	203	34.058
1091	AF082556	Homo sapiens TRF1-interacting ankyrin-related ADP-ribose polymerase	299	38.462
1092	S66427	Homo sapiens retinoblastoma binding protein 1, RBP1	603	63.576
1093	X51591	Homo sapiens beta-myosin heavy chain (1151 AA)	158	26.846
1094	AB002335	Homo sapiens KIAA0337	193	60.294
1095	AB007950	Homo sapiens KIAA0481 protein	316	43.931
1096	AF109719	Mus musculus BAT2	1119	36.714
1097	AB028982	Homo sapiens KIAA1059 protein	1244	74.900
1098	AF076183	Rattus norvegicus cytosolic sorting protein PACS-1a	1620	95.849
1099	U74586	Rattus norvegicus double-stranded RNA specific adenosine deaminase	393	68.478
1100	X83413	Human herpesvirus 6 U88	334	40.909
1101	AF159356	Rattus norvegicus Munc13-4 protein	4605	87.377
1102	AF039690	Homo sapiens antigen NY-CO-8	2056	78.465
1103	AF082664	Gallus gallus interferon alpha/beta receptor 1	242	28.782
1104	J02459	bacteriophage lambda exonuclease	886	96.528
1105	U79142	Sus scrofa putative inhibitor of apoptosis	471	39.024
1106	AB012223	Canis familiaris ORF2	203	52.941
1107	AB029014	Homo sapiens KIAA1091 protein	9111	99.852
1108	D86214	Mus musculus Ca2+ dependent activator protein for secretion	1702	93.141
1109	Z93393	Unknown Similarity with snail BR-1 protein (Swiss Prot accession number Q25112); cDNA EST EMBL:D371	673	31.447
1110	AC005048	Homo sapiens laminin beta precursor; similar to AAB92586 (PID:g2708707)	770	40.625
1111	U93909	Cercopithecine herpesvirus 15 nuclear antigen EBNA-1	172	41.525
1112	AF031939	Mus musculus RalBP1-associated EH domain protein Repl1	2397	95.968
1113	U72972	Sus scrofa calcium/calmodulin-dependent protein kinase II isoform gamma-E	1737	98.195
1114	AC005142	Arabidopsis thaliana putative calcium channel	296	25.705
1115	AF091457	Rattus norvegicus zinc finger protein RIN ZF	468	52.703
1116	AL050019	Homo sapiens hypothetical protein	793	89.041
1117	D89285	Mesocricetus auratus inter-alpha-trypsin inhibitor heavy chain 1	1086	35.727
1118	AC004594	Homo sapiens Ca2+ dependent activator protein for secretion; similar to D86214 (NID:g1398903)	1891	98.936
1119	AB002323	Homo sapiens KIAA0325	3563	99.821
1120	Z98595	Schizosaccharomyces pombe hypothetical protein	477	28.155
1121	Z35719	Unknown cDNA EST EMBL:D67419 comes from this gene; cDNA EST EMBL:C13853 comes from this gene; cDNA	487	40.574
1122	U96131	Homo sapiens HPV16 E1 protein binding protein	937	70.270
1123	D87433	Homo sapiens KIAA0246	219	32.479
1124	AC005534	Homo sapiens supported by human ESTs AA412402	223	72.222

		(NID:g2070990) NH44021 (NID:g1182549), mouse EST AA065933 (NID:g1562789), and genscan		
1125	AF068748	Mus musculus sphingosine kinase	557	50.289
1126	AB020664	Homo sapiens KIAA0857 protein	507	40.293
1127	AC007660	Arabidopsis thaliana putative RNA helicase	491	37.201
1128	M69183	Plasmodium falciparum mature-parasite-infected erythrocyte surface antigen	284	51.923
1129	AF114378	Mus musculus cypher1	219	44.144
1130	U88154	Homo sapiens proline and glutamic acid rich nuclear protein isoform	145	40.000
1131	AF149093	Mus musculus zinc finger ZF-12	399	50.394
1132	Z68106	Caenorhabditis elegans F41E7.1	187	26.036
1133	Y17920	Drosophila melanogaster CALO protein	491	35.798
1134	Z98047	Homo sapiens dJ162H14.1 (FIBULIN 1 like protein)	316	36.757
1135	U20217	Mus musculus fibrillin-2	1020	74.556
1136	AB010247	Mus musculus Ring3	196	34.286
1137	U13152	Mesocricetus auratus guanine nucleotide-binding protein beta 5	1165	82.096
1138	Y14946	Homo sapiens SPIN protein	234	52.941
1139	D13309	Rattus sp. DNA binding protein B	208	41.026
1140	AB018348	Homo sapiens KIAA0805 protein	987	53.962
1141	AF019887	Mus musculus metalloprotease-disintegrin meltrin beta	1508	80.385
1142	AL031177	Homo sapiens dJ889M15.3 (novel protein)	434	32.800
1143	AF132209	Homo sapiens prepro-major basic protein homolog	358	54.000
1144	AF072372	Mus musculus lysosomal trafficking regulator 2	960	94.156
1145	AF181646	Drosophila melanogaster BcDNA.GH12326	279	36.429
1146	L05186	Homo sapiens focal adhesion kinase	219	74.419
1147	X03145	Homo sapiens pot. ORF II	233	52.874
1148	Y18890	Human endogenous retrovirus K pol protein	807	84.416
1149	X83413	Human herpesvirus 6 U88	314	51.852
1150	X05472	Rattus norvegicus ORF 3	194	46.053
1151	U40342	Mus musculus ninein	1799	76.903
1152	D90713	Escherichia coli Hypothetical protein in hrsA 3'region .	727	96.639
1153	AE000464	Escherichia coli formate dehydrogenase-O, major subunit	894	92.199
1154	D37918	Escherichia coli Reverse transcriptase like protein	427	85.714
1155	D90719	Escherichia coli ORF ID:o207#4	843	90.000
1156	D90704	Escherichia coli Penicillin-binding protein 2 (pbp-2).	838	99.174
1157	AJ002735	Klebsiella oxytoca initiation factor IF2-alpha	1252	93.953
1158	AF083501	Macaca mulatta rhadinovirus 17577 latent nuclear antigen	169	44.086
1159	AF043636	Plasmodium chabaudi circumsporozoite protein	237	63.830
1160	AF087573	Homo sapiens DNA fragmentation factor DFF35	369	61.017
1161	AL034352	Schizosaccharomyces pombe putative phosphodiesterase-nucleotide pyrophosphatase precursor	391	31.746
1162	Y17793	Mus musculus Dutt1 protein	1969	61.075
1163	X03557	Homo sapiens 56-KDa protein (aa 1-478)	1225	62.581
1164	U41662	Rattus norvegicus neuroligin 2	1931	98.662
1165	AB026190	Homo sapiens Kelch motif containing protein	275	46.789
1166	AL021481	Unknown similar to Phosphoglucomutase and phosphomannomutase phosphoserine; cDNA EST EMBL:D36168	719	43.494
1167	AF079974	Mus musculus Rac GTPase-activating protein	307	53.333

1168	U79716	Homo sapiens Human Reelin	745	84.034
1169	AC008075	Arabidopsis thaliana F24J5.4	167	35.000
1170	X13916	Homo sapiens LDL-receptor related precursor (AA -19 to 4525)	766	87.603
1171	X75296	Homo sapiens TUP1 like enhancer of SPLIT gene 1	256	59.016
1172	U70935	Peromyscus maniculatus reverse transcriptase	163	29.371
1173	U22961	Homo sapiens similar to human albumin, Swiss-Prot Accession Number P02768; Method: conceptual translation supplied by author	543	73.043
1174	AB020629	Homo sapiens KIAA0822 protein	508	71.698
1175	D50927	Homo sapiens The KIAA0137 gene product is related to Arabidopsis thaliana protein kinase (TOUSLED).	390	93.846
1176	AF111423	Xenopus laevis chromosome condensation protein XCAP-G	177	57.447
1177	AB023188	Homo sapiens KIAA0971 protein	362	79.452
1178	Z70200	Homo sapiens U5 snRNP-specific 200kD protein	232	51.899
1179	S61070	Homo sapiens reverse transcriptase homolog=pol {retroviral element}	453	75.758
1180	AF046001	Homo sapiens zinc finger transcription factor	187	59.016
1181	AB028981	Homo sapiens KIAA1058 protein	480	64.078
1182	X01455	Reticuloendotheliosis virus C end of pol protein (reverse transcriptase)	237	34.314
1183	L13391	Homo sapiens helix-loop-helix phosphoprotein	482	70.940
1184	AB011152	Homo sapiens KIAA0580 protein	185	74.359
1185	AC006233	Arabidopsis thaliana hypothetical protein	175	41.111
1186	X62681	Gallus gallus limb deformity protein	408	57.377
1187	Z14093	Homo sapiens branched chain decarboxylase alpha subunit	739	85.106
1188	X97999	Homo sapiens transcription factor IID	203	37.008
1189	M85168	Homo sapiens glycogen debranching enzyme	251	57.447
1190	X90569	Homo sapiens elastic titin	365	75.610
1191	U80736	Homo sapiens CAGF9	743	90.323
1192	U35376	Homo sapiens repressor transcriptional factor	678	74.590
1193	U90215	Rattus norvegicus polysialyltransferase	225	59.155
1194	AB011169	Homo sapiens KIAA0597 protein	211	96.429
1195	U48736	Homo sapiens serine/threonine-protein kinase PRP4h	269	71.667
1196	AF026169	Homo sapiens SALF	245	82.500
1197	U93570	Homo sapiens p40	173	37.895
1198	X13621	Homo sapiens HNP-3 defensin (AA 1- 94)	205	71.795
1199	U51432	Homo sapiens nuclear protein Skip	280	77.193
1200	AL050037	Homo sapiens hypothetical protein	355	56.731
1201	AF076783	Rattus norvegicus plasma membrane Ca2+ ATPase isoform 1kb	312	73.134
1202	AF085691	Homo sapiens multidrug resistance-associated protein 3A	626	39.858
1203	AF069603	Homo sapiens myosin light chain kinase isoform 3B	228	70.455
1204	AB007945	Homo sapiens KIAA0476 protein	529	46.269
1205	AF083037	Homo sapiens A-kinase anchoring protein AKAP350	292	96.000
1206	X01469	Plasmodium lophurae histidine-rich protein	214	45.283
1207	AF145705	Mus musculus T2K protein kinase homolog	841	77.381
1208	X78933	Homo sapiens zinc finger protein	407	57.732
1209	AF042169	Homo sapiens putative ATP-dependent mitochondrial RNA helicase	420	65.421
1210	X06596	Homo sapiens complement protein C1s precursor	318	58.065
1211	D38595	Homo sapiens inter-alpha-trypsin inhibitor family heavy chain-related protein (IHRP)	406	65.909

1212	L16558	Homo sapiens ribosomal protein L7	318	81.967
1213	Z79757	Unknown Similarity to Candida CDC4 gene (TR:E234056); cDNA EST EMBL:D27699 comes from this gene; cD	35	42.857
1214	U42580	Paramecium bursaria Chlorella virus 1 Pro-, Lys-rich, PAPK (30x); similar to wheat Pro-, Lys-rich protein, GenBank Accession Number X52472	174	29.661
1215	U93570	Homo sapiens putative p150	145	37.778
1216	D50487	Homo sapiens RNA helicase (HRH1)	331	58.416
1217	M20471	Homo sapiens clathrin light-chain a	292	88.679
1218	AF049910	Homo sapiens TACC1	392	85.333
1219	D80009	Homo sapiens KIAA0187	443	77.174
1220	Z26653	Homo sapiens laminin M chain (merosin)	351	79.167
1221	M96264	Homo sapiens galactose-1-phosphate uridyl transferase	252	58.333
1222	AL050373	Homo sapiens hypothetical protein	194	73.333
1223	A69020	unidentified PROTEASE	485	41.808
1224	V00488	Homo sapiens alpha globin	466	69.725
1225	AL008723	Homo sapiens dJ90G24.4 (SAAT1 (low affinity sodium glucose cotransporter (sodium:solute symporter family)))	152	41.429
1226	AL110218	Homo sapiens hypothetical protein	287	92.000
1227	U02032	Homo sapiens ribosomal protein L23a	291	56.977
1228	M13100	Rattus norvegicus unknown protein	196	35.345
1229	M12140	Homo sapiens envelope protein	567	46.067
1230	D30648	Homo sapiens flavoprotein subunit of complex II	440	64.286
1231	AB020629	Homo sapiens KIAA0822 protein	125	46.667
1232	M69297	Homo sapiens ORF 3	163	33.333
1233	M62419	Mus musculus clathrin-associated protein	214	52.308
1234	A15293	Homo sapiens Mature HSA	473	73.267
1235	U83908	Homo sapiens nuclear antigen H731	307	70.588
1236	L28010	Homo sapiens HnRNP F protein	283	85.714
1237	X53414	Homo sapiens L- alanine:glyoxylate aminotransferase	244	77.778
1238	U83115	Homo sapiens non-lens beta gamma-crystallin like protein	341	46.552
1239	M19938	Homo sapiens fructose-6-phosphate,2-kinase: fructose-2, 6-bisphosphatase	185	60.417
1240	X84157	Homo sapiens subunit of the dimeric cap binding complex CBC	405	70.652
1241	AB029008	Homo sapiens KIAA1085 protein	331	59.223
1242	X01677	Homo sapiens glyceraldehyde-3-phosphate dehydrogenase	467	72.549
1243	U09367	Homo sapiens zinc finger protein ZNF136	467	52.500
1244	AC006128	Homo sapiens Human homolog of Mus musculus wizS protein	559	70.732
1245	X15005	Homo sapiens pot. lamimin-binding protein (AA 1 - 300)	570	68.595
1246	S63654	Mus sp. type VII collagen	278	50.000
1247	M10905	Homo sapiens fibronectin	172	36.264
1248	D13635	Homo sapiens KIAA0010	566	79.279
1249	AB028948	Homo sapiens KIAA1025 protein	553	75.221
1250	D45131	Homo sapiens basigin	471	65.741
1251	AF015308	Homo sapiens nucleolar protein	311	68.354
1252	AL049557	Homo sapiens dJ773A18.2 (PROBABLE ATP-DEPENDENT RNA HELICASE P47 HOMOLOG)	456	58.333
1253	U88629	Homo sapiens RNA polymerase II elongation factor ELL2	171	93.103

1254	AF098788	Gallus gallus nuclear calmodulin-binding protein	1980	64.389
1255	AF077207	Homo sapiens HSPC021	279	51.456
1256	M13100	Rattus norvegicus unknown protein	441	56.250
1257	U93568	Homo sapiens putative p150	206	36.000
1258	AB014571	Homo sapiens KIAA0671 protein	861	58.009
1259	D16815	Homo sapiens EAR-1r	172	70.968
1260	AF167320	Mus musculus zinc finger protein ZFP113	640	66.923
1261	Z95334	Schizosaccharomyces pombe hypothetical protein	267	60.976
1262	X01455	Reticuloendotheliosis virus C end of pol protein (reverse transcriptase)	217	36.364
1263	AJ243460	Leishmania major proteophosphoglycan	232	32.468
1264	D63481	Homo sapiens The KIAA0147 gene product is related to adenylyl cyclase.	1027	57.597
1265	U41559	Caenorhabditis elegans No definition line found	223	26.606
1266	U76846	Arabidopsis thaliana ubiquitin-specific protease	217	30.108
1267	D63481	Homo sapiens The KIAA0147 gene product is related to adenylyl cyclase.	1027	57.597
1268	X52235	Homo sapiens ORFII	243	60.870
1269	AF019082	Borrelia burgdorferi virulent strain associated lipoprotein	261	29.150
1270	U49379	Homo sapiens diacylglycerol kinase epsilon DGK	159	83.333
1271	AC007228	Homo sapiens BC37295 2 (partial)	598	37.037
1272	AF091090	Homo sapiens unknown	200	93.333
1273	X69490	Homo sapiens titin	2362	98.939
1274	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	528	71.560
1275	AF078933	Homo sapiens WAIT-1	403	87.879
1276	Y16241	Homo sapiens nebullette	2397	65.306
1277	AB018348	Homo sapiens KIAA0805 protein	327	51.042
1278	AJ242979	Homo sapiens KIAA0461/245 protein	592	61.202
1279	D89660	Rattus norvegicus peroxisome assembly factor-2	257	83.333
1280	U67056	Acanthamoeba castellanii myosin I heavy chain kinase	203	29.289
1281	AF072810	Homo sapiens transcription factor WSTF	380	84.000
1282	AB014607	Homo sapiens KIAA0707 protein	608	41.564
1283	AF052831	Trypanosoma cruzi unknown	134	36.111
1284	AC003038	Homo sapiens R30923 1	575	72.993
1285	D25215	Homo sapiens KIAA0032	214	33.010
1286	AF108843	Homo sapiens env protein	496	52.229
1287	AJ243460	Leishmania major proteophosphoglycan	184	29.851
1288	U89439	Bos taurus ubiquitin-like protein	46	25.641
1289	AL049759	Homo sapiens dJ930L11.1 (similar to KIAA0397)	286	84.615
1290	X99211	Drosophila melanogaster ubiquitin-specific protease	589	39.373
1291	X53556	Bos taurus type X collagen	252	30.534
1292	AC002333	Arabidopsis thaliana SF16 isolog	180	32.192
1293	Y17832	Human endogenous retrovirus K pol protein	213	45.000
1294	AF071081	Mycobacterium tuberculosis proline-rich mucin homolog	192	35.766
1295	Z79752	Homo sapiens predicted using Genefinder; Similarity to Human RNA helicase (SW:P68 HUMAN); cDNA EST EMBL:	188	45.205
1296	Z22968	Homo sapiens M130 antigen	929	54.386
1297	AB007862	Homo sapiens KIAA0402	1117	82.126
1298	AB006755	Homo sapiens PCDH7 (BH-Pcdh)a	434	37.611
1299	AF180920	Homo sapiens cyclin ania-6a	295	29.500
1300	AF003385	Caenorhabditis elegans No definition line found	1156	37.434
1301	AL035311	Unknown 1-evidence=predicted by content; 1-	484	36.564

		method=genefinder;084; 1-evidence_end; 2-evidence=pred		
1302	M92040	Strongylocentrotus purpuratus alpha-1 collagen	166	31.319
1303	AF003535	Homo sapiens ORF2-like protein	256	40.777
1304	L31840	Rattus norvegicus nuclear pore complex protein NUP107	513	85.714
1305	U97553	murine herpesvirus 68 unknown	191	37.143
1306	X00318	Homo sapiens apoferritin H chain	570	73.276
1307	D30648	Homo sapiens flavoprotein subunit of complex II	677	88.496
1308	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	274	54.321
1309	U01317	Homo sapiens G-gamma globin	559	70.492
1310	D79996	Homo sapiens KIAA0174	220	81.395
1311	Y17267	Mus musculus ubiquitin-conjugating enzyme	322	57.143
1312	D63881	Homo sapiens KIAA0160 gene product is novel.	3156	99.161
1313	D42150	Gallus gallus chicken cadherin-7	906	84.146
1314	M12140	Homo sapiens envelope protein	397	47.794
1315	AF007270	Arabidopsis thaliana contains similarity to myosin heavy chain	86	23.864
1316	U66561	Homo sapiens kruppel-related zinc finger protein	1607	57.067
1317	AF081144	Rattus norvegicus CL1AA	277	58.537
1318	M25984	Gallus gallus alpha-2 type I collagen	180	31.169
1319	X66363	Homo sapiens serine/threonine protein kinase	427	59.259
1320	AL022603	Arabidopsis thaliana putative protein	219	43.590
1321	Y11145	Pacifastacus leniusculus masquerade-like protein	174	27.919
1322	Y17833	Human endogenous retrovirus K pol protein	840	84.000
1323	Y17832	Human endogenous retrovirus K env protein	598	66.667
1324	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	748	49.770
1325	AJ004801	Bovine herpesvirus type 1.1 immediate-early transactivator protein with Zn finger (cell nucleus)	192	32.168
1326	X99753	Homo sapiens Arno protein (ARF exchange factor)	217	35.965
1327	M94065	Homo sapiens dihydroorotate dehydrogenase	409	72.917
1328	AF072758	Mus musculus fatty acid transport protein 3; FATP3	2164	80.653
1329	AJ006693	Homo sapiens ultra high sulfer keratin	182	28.155
1330	Y10256	Homo sapiens NIK, serine/threonine protein-kinase	74	22.989
1331	X79448	Homo sapiens type I	464	48.780
1332	AF071172	Homo sapiens HERC2	250	60.606
1333	U50193	Caenorhabditis elegans weak similarity to SP:YAD5 CLOAB (P33746) hypothetical protein and to PIR:C48583 stress-inducible protein STI1	640	31.579
1334	AB012223	Canis familiaris ORF2	228	37.963
1335	AF106682	Homo sapiens spindlin	1009	93.168
1336	U07358	Homo sapiens serine/threonine protein kinase	718	37.353
1337	AF016507	Homo sapiens C-terminal binding protein 2	786	83.916
1338	L15309	Homo sapiens zinc finger protein	574	74.138
1339	AB024075	Homo sapiens B120	906	47.826
1340	M12140	Homo sapiens envelope protein	508	54.615
1341	U09413	Homo sapiens zinc finger protein ZNF135	1034	60.090
1342	AF074086	Homo sapiens envelope	699	71.533
1343	M11902	Mus musculus proline-rich salivary protein	221	33.582
1344	D50464	Mus musculus SDR2	263	28.636
1345	X57527	Homo sapiens alpha 1(VIII) collagen	201	33.125
1346	AC004890	Homo sapiens similar to zinc finger proteins; similar to AAC01956 (PID:g2843171)	240	30.405
1347	L04159	Plasmodium falciparum 3' end., gene product	151	24.519

1348	AL096846	Schizosaccharomyces pombe similar to yeast DEC1 mitochondrial inheritance and actin cytoskeleton organisation protein	281	22.651
1349	AC002389	Homo sapiens GAPDH-2 like	262	47.525
1350	AC005498	Homo sapiens R31665 2	160	43.284
1351	M63595	Xenopus laevis alpha-1 type II collagen	238	27.397
1352	AL035472	Mycobacterium leprae putative protein synthesis initiation factor 2	172	35.780
1353	M25984	Gallus gallus alpha-2 type I collagen	180	31.169
1354	AL049759	Homo sapiens dJ930L11.1 (similar to KIAA0397)	813	66.509
1355	Z24725	Homo sapiens mitogen inducible gene mig-2	1952	91.437
1356	M11052	Mus musculus envelope polyprotein precursor	176	34.375
1357	AF132180	Drosophila melanogaster unknown	338	31.792
1358	D31883	Homo sapiens similar to an actin bundling protein, dematn.	399	54.074
1359	AL117200	Caenorhabditis elegans predicted using Genefinder; preliminary prediction	208	37.719
1360	AF146040	Cavia porcellus endothelial nitric oxide synthase	185	30.986
1361	AC002310	Homo sapiens Unknown gene product	630	52.151
1362	M64791	Rattus norvegicus salivary proline-rich protein	201	32.308
1363	AL021747	Schizosaccharomyces pombe hypothetical protein	205	55.172
1364	X53581	Rattus norvegicus ORF2	165	49.123
1365	Y08715	Mus musculus vascular cadherin-2	1317	78.599
1366	U83115	Homo sapiens non-lens beta gamma-crystallin like protein	244	82.927
1367	U83590	Rattus norvegicus PAR interacting protein	1542	68.421
1368	U12390	Cloning vector pSport1 beta-galactosidase alpha peptide	176	44.928
1369	U01351	Homo sapiens glucocorticoid receptor alpha-2	758	93.443
1370	X51591	Homo sapiens beta-myosin heavy chain (1151 AA)	286	53.271
1371	AF009668	multiple sclerosis associated retrovirus polyprotein	393	47.143
1372	AB002348	Homo sapiens KIAA0350	2009	84.896
1373	M30023	orf virus ORF2	167	35.252
1374	AL021918	Homo sapiens b34I8.1 (Kruppel related Zinc Finger protein 184)	1474	57.100
1375	Z49651	Saccharomyces cerevisiae ORF YJR151c	168	27.363
1376	AC002365	Homo sapiens APXL	266	42.991
1377	AB015440	Rana catesbeiana alpha 1 type I collagen	320	29.470
1378	AF176688	Rattus norvegicus sodium/calcium/potassium exchanger NCKX1	191	33.113
1379	Y15635	Homo sapiens ABCR	200	42.391
1380	X75926	Mus musculus abcl	2263	55.857
1381	V01555	Human herpesvirus 4 BYRF1, encodes EBNA-2 (Dambaugh et al, 1984; Dillner et al, 1984)	181	31.707
1382	AF015454	Xenopus laevis ER1	613	51.485
1383	X16468	Homo sapiens prepropeptide (AA 1-1418)	200	29.911
1384	D80004	Homo sapiens KIAA0182	640	90.000
1385	M11902	Mus musculus proline-rich salivary protein	199	33.793
1386	D86969	Homo sapiens similar to Human zinc-finger protein, BR140 (P1:JC2069)	1479	68.403
1387	AL033534	Schizosaccharomyces pombe serine-rich protein	176	30.061
1388	AF167320	Mus musculus zinc finger protein ZFP113	789	55.140
1389	Z68335	Caenorhabditis elegans predicted using Genefinder; similar to collagen; cDNA EST EMBL:D68967 comes from this gene; cDNA EST EMBL:D69298 comes from this gene; cDNA EST EMBL:D69331 comes from this gene; cDNA EST	157	35.514

		EMBL:D70368 comes from this gene		
1390	Z69361	Caenorhabditis elegans Weak similarity to Eimeria thrombospondin (PIR Acc. No. A45517); cDNA EST EMBL:M89266 comes from this gene; cDNA EST yk295b9.5 comes from this gene	199	40.000
1391	AC005396	Arabidopsis thaliana putative proline-rich cell wall protein	197	38.793
1392	S79410	Mus sp. nuclear localization signals (NLS)-binding protein=spot-1	184	48.077
1393	M57551	Pseudomonas aeruginosa transcription regulatory protein	156	37.000
1394	AF016687	Caenorhabditis elegans Similar to cuticular collagen; coded for by C. elegans cDNA yk69e4.5	181	35.652
1395	M83822	Homo sapiens beige-like protein	413	82.192
1396	AF085185	Acanthamoeba castellanii Myosin-IA	226	42.400
1397	U87318	Xenopus laevis NaDC-2	1500	56.041
1398	Y15491	Pongo pygmaeus fertilin alpha protein	973	94.161
1399	AB002321	Homo sapiens KIAA0323	2351	99.403
1400	X75926	Mus musculus abcl1	2263	55.857
1401	M18247	Feline leukemia virus gag-pol precursor polyprotein gPr80	259	36.792
1402	Z97340	Arabidopsis thaliana extensin like protein	144	39.344
1403	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	184	46.377
1404	S80119	Rattus sp. reverse transcriptase homolog	379	53.608
1405	AF071172	Homo sapiens HERC2	299	88.636
1406	AF134304	Homo sapiens Scar2	190	31.967
1407	L06863	Cricetulus griseus type VII collagen	164	33.333
1408	AF032872	Rattus norvegicus potassium channel regulatory protein KChAP	229	84.091
1409	M37759	Mus musculus serine 1 ultra high sulfur protein	284	40.336
1410	S74439	Bombyx mori=silkworms, Peptide Partial, 633 aa silk fibroin heavy chain {C-terminal}	426	40.314
1411	D80009	Homo sapiens KIAA0187	323	57.944
1412	M12140	Homo sapiens envelope protein	316	71.186
1413	M13100	Rattus norvegicus unknown protein	263	64.516
1414	AF116463	Streptomyces lincolnensis unknown	219	33.173
1415	U00039	Escherichia coli No definition line found	796	97.561
1416	AB017614	Mus musculus OASIS protein	1919	92.652
1417	AF042379	Homo sapiens spindle pole body protein spc97 homolog GCP2	180	25.532
1418	D87459	Homo sapiens Similar to Volvox carteri extensin (S22697)	204	35.766
1419	U33834	Homo sapiens helicase	350	52.713
1420	AB007871	Homo sapiens KIAA0411	668	60.938
1421	Z48149	Saccharomyces cerevisiae similarity with H. polymorpha hypothetical protein in LEU2 region	169	32.432
1422	K03207	Homo sapiens salivary proline-rich protein precursor	177	33.077
1423	AC002563	Homo sapiens putative RHO/RAC effector protein; 95% similarity to P49205 (PID:g1345860)	5501	99.166
1424	AJ004832	Homo sapiens neuropathy target esterase	1205	79.762
1425	X64346	Saimiriine herpesvirus 2 ORF 73; ECLF1	221	29.070
1426	Y08986	Brassica napus oleosin-like protein	190	36.842
1427	M99063	Homo sapiens cytokeratin 2	372	54.348
1428	AF099976	Mus musculus schlafen4	710	47.012
1429	D13636	Homo sapiens KIAA0011	374	41.579
1430	AJ245569	Mus musculus hypothetical protein	249	67.273
1431	AF139744	Streptococcus pyogenes serum opacity factor precursor	144	31.304

1432	D70831	Homo sapiens Zinc-finger protein	710	59.016
1433	X52235	Homo sapiens ORFII	197	42.667
1434	AF042379	Homo sapiens spindle pole body protein spc97 homolog GCP2	534	82.569
1435	AL049608	Arabidopsis thaliana extensin-like protein	160	37.662
1436	AB014514	Homo sapiens KIAA0614 protein	347	73.973
1437	AF043944	Mytilus edulis nongradient byssal precursor	223	31.092
1438	U44898	Homo sapiens SNAP45 subunit	301	54.237
1439	X89383	Rattus norvegicus SNF1-related kinase	308	73.684
1440	AF097183	Cryptosporidium parvum unknown	238	33.735
1441	AF055904	Myxococcus xanthus unknown	225	29.082
1442	X53581	Rattus norvegicus ORF1	200	40.506
1443	AF043297	Chlamydomonas reinhardtii poly(A) binding protein RB47	192	32.484
1444	D29766	Rattus norvegicus Crk-associated substrate, p130	1853	86.420
1445	M27878	Homo sapiens DNA binding protein	734	74.265
1446	AF057557	Homo sapiens anti-Fas-induced apoptosis	196	63.462
1447	AJ133125	Mus musculus immunity associated protein 38	315	48.387
1448	U64608	Caenorhabditis elegans coded for by C. elegans cDNA yk173c12.5	334	34.706
1449	AF053356	Homo sapiens leucin rich neuronal protein	886	90.972
1450	AB014584	Homo sapiens KIAA0684 protein	209	77.083
1451	AB018293	Homo sapiens KIAA0750 protein	1090	50.146
1452	Z78064	Caenorhabditis elegans predicted using Genefinder; similar to collagen; cDNA EST EMBL:D69730 comes from this gene	151	31.544
1453	U12134	Homo sapiens RAD52	223	69.091
1454	U07973	Gallus gallus alpha-1 collagen type III	134	30.597
1455	AL080141	Homo sapiens hypothetical protein	1117	67.293
1456	AL031323	Schizosaccharomyces pombe putative transcription or splicing factor	162	28.571
1457	U43585	Mus musculus protein kinase related to Raf protein kinases; Method: conceptual translation supplied by author	280	57.143
1458	AB029335	Halocynthia roretzi HrPET-3	238	32.738
1459	U82982	Cavia porcellus GEC-3	227	38.679
1460	Z19574	Homo sapiens cytokeratin 17	178	61.364
1461	AB014521	Homo sapiens KIAA0621 protein	936	64.390
1462	AJ131526	Mus musculus TEF-5	156	68.293
1463	AB022927	Oryctolagus cuniculus hyperpolarization activated cation channel	186	31.280
1464	U64608	Caenorhabditis elegans coded for by C. elegans cDNA yk173c12.5	334	34.706
1465	X70944	Homo sapiens PTB-associated splicing factor	231	30.366
1466	AJ243460	Leishmania major proteophosphoglycan	221	33.173
1467	U81788	Drosophila melanogaster kinesin-73	257	61.538
1468	U14635	Caenorhabditis elegans similar to GABA and glycine receptors	681	34.925
1469	M24355	Homo sapiens filaggrin	518	34.014
1470	M12140	Homo sapiens envelope protein	497	50.345
1471	X97675	Homo sapiens plakophilin 2b	186	77.778
1472	AC004893	Homo sapiens similar to NEDD-4 (KIA0093); similar to P46934 (PID:g1171682)	211	54.688
1473	U42471	Mus musculus Wiscott-Aldrich Syndrome protein homolog	226	39.669
1474	AF001305	Pneumocystis carinii f. sp. carinii protease 1	195	27.485
1475	X75931	Bos taurus Cleavage and Polyadenylation specificity factor (CPSF) 100kD subunit	2445	98.660

1476	AF084521	Homo sapiens brefeldin A-inhibited guanine nucleotide-exchange protein 2	1552	94.286
1477	X83413	Human herpesvirus 6 U88	175	41.509
1478	AF164612	Homo sapiens envelope protein	334	41.221
1479	AF115435	Rattus norvegicus syntaxin 17	234	62.338
1480	AC002563	Homo sapiens putative RHO/RAC effector protein; 95% similarity to P49205 (PID:q1345860)	5501	99.166
1481	D13644	Homo sapiens protein related N-ternimus of tre oncogene	238	84.444
1482	AF009243	Homo sapiens proline-rich Gla protein 2	333	94.118
1483	D25538	Homo sapiens KIAA0037	387	76.389
1484	Y17137	Mus musculus mCASK-A	237	79.167
1485	AE000789	Borrelia burgdorferi B. burgdorferi predicted coding region BBI16	218	29.885
1486	AF146531	Homo sapiens bridging integrator-2	175	64.286
1487	AB023161	Homo sapiens KIAA0944 protein	566	56.954
1488	AB018288	Homo sapiens KIAA0745 protein	524	39.837
1489	AL021929	Mycobacterium tuberculosis PPE	193	37.500
1490	AB028998	Homo sapiens KIAA1075 protein	386	57.692
1491	AF124435	Danio rerio p55-related MAGUK protein DLG3	776	82.482
1492	X65546	Mycobacterium leprae proline-rich antigen	145	44.186
1493	AB023178	Homo sapiens KIAA0961 protein	1615	79.061
1494	Z46791	Caenorhabditis elegans similar to collagen	188	35.849
1495	AF085185	Acanthamoeba castellanii Myosin-IA	205	35.811
1496	J05499	Rattus norvegicus L-glutamine amidohydrolase	1327	79.259
1497	AL021492	Unknown similar to Glycosyl transferases; cDNA EST EMBL:D33950 comes from this gene; cDNA EST EMB	246	33.143
1498	U27459	Homo sapiens hORC2L	213	60.000
1499	U50078	Homo sapiens p532	333	88.679
1500	AE000351	Escherichia coli orf, hypothetical protein	899	98.473
1501	X69089	Homo sapiens 165kD protein	374	62.766
1502	L19201	Escherichia coli glutamine synthetase	1255	93.564
1503	D90846	Escherichia coli Acriflavin resistance protein F (EnvD protein).	1619	96.617
1504	AE000248	Escherichia coli persistence to inhibition of murein or DNA biosynthesis, DNA-binding regulator	1335	94.340
1505	D90730	Escherichia coli MukB protein	1416	94.515
1506	D90709	Escherichia coli YhhI protein	784	90.152
1507	X69089	Homo sapiens 165kD protein	196	70.455
1508	AB004659	Acidiphilium multivorum ArsB	621	80.488
1509	X73143	Escherichia coli NikA	885	95.620
1510	L10328	Escherichia coli f772	641	90.909
1511	D90731	Escherichia coli Asparaginyl-tRNA synthetase (EC 6.1.1.22) (asparagine-tRNA ligase) (asnRS).	485	94.872
1512	X57560	Escherichia coli pspB protein	294	86.000
1513	D90716	Escherichia coli Hypothetical 54.3 kd protein in lpd-3 5' region (orf2).	716	94.737
1514	D90748	Escherichia coli Virulence membrane protein phoQ.	844	90.789
1515	X16531	Escherichia coli oxyR gene product 34kD protein (AA 1-305)	853	91.096
1516	AB011180	Homo sapiens KIAA0608 protein	560	63.566
1517	AB012725	Mus musculus zinc finger protein	943	91.447
1518	AB018274	Homo sapiens KIAA0731 protein	527	67.500
1519	AL035632	Unknown /prediction=(method:""genefinder"", version:""084"", score:""113.36"");	573	59.028

		/prediction=(meth		
1520	Z11518	Homo sapiens histidyl-tRNA synthetase	2152	100.000
1521	U08350	Sus scrofa E-selectin	187	30.392
1522	AF007170	Homo sapiens unknown	154	85.714
1523	AF160798	Rattus norvegicus calcium transporter CaT1	1513	90.041
1524	D63478	Homo sapiens The KIAA0144 gene product is novel.	155	84.615
1525	AJ133120	Rattus norvegicus Proline rich synapse associated protein 2	606	80.189
1526	A58331	Homo sapiens unnamed protein product	831	99.115
1527	U39060	Mus musculus glucocorticoid receptor interacting protein 1	219	84.091
1528	U71273	Sus scrofa glucosidase II	704	60.667
1529	Y00826	Rattus norvegicus gp210 (AA 1-1886)	258	84.444
1530	U66707	Rattus norvegicus densin-180	558	60.432
1531	M18907	Homo sapiens nifedipine oxidase	654	81.967
1532	AB020716	Homo sapiens KIAA0909 protein	318	89.583
1533	AF156856	Mus musculus cytosolic sialic acid 9-O-acetylerase	268	72.917
1534	U86074	Homo sapiens tesmin	662	76.577
1535	Z19550	Homo sapiens N-acetyllactosaminide beta-1,6-N-acetylglucosaminyltransferase	339	52.128
1536	AL096749	Homo sapiens DKFZp434G153	271	36.522
1537	AF156529	Mus musculus Msx2 interacting nuclear target protein	179	100.000
1538	AB009024	Homo sapiens capping enzyme 1B	157	100.000
1539	U13019	Caenorhabditis elegans No definition line found	426	56.731
1540	AB002370	Homo sapiens KIAA0372	263	97.436
1541	U39940	Sinorhizobium meliloti choline sulfatase	254	35.417
1542	D78572	Mus musculus membrane glycoprotein	747	65.000
1543	M63180	Homo sapiens threonyl-tRNA synthetase	174	42.500
1544	Z68011	Unknown Similarity to Xenopus F-spondin precursor (PIR Acc. No. A47723); cDNA EST EMBL:D33135 comes	191	33.708
1545	U37373	Xenopus laevis up-regulated by thyroid hormone in tadpoles; expressed specifically in the tail and only at metamorphosis; membrane bound or extracellular protein; C-terminal basic region	387	81.250
1546	AL096768	Homo sapiens dJ858B16.1.2 (KIAA0542 (isoform 2))	176	83.333
1547	AF022962	Mus musculus Sec8	194	93.939
1548	Z81467	Caenorhabditis elegans cDNA EST EMBL:D32693 comes from this gene; cDNA EST EMBL:D35405 comes from this gene; cDNA EST yk307c10.5 comes from this gene	510	52.632
1549	AF023261	Human endogenous retrovirus K pol-env	412	54.167
1550	U59287	Gallus gallus paranemin	162	57.895
1551	AC002332	Arabidopsis thaliana putative NAD(P)-dependent cholesterol dehydrogenase	303	39.412
1552	Z68297	Unknown Similarity to Yeast TAT-binding homolog 7 (SW:TBP7_YEAST); cDNA EST EMBL:D37124 comes from	259	34.375
1553	AF064553	Mus musculus NSD1 protein	640	90.526
1554	AF151877	Homo sapiens CGI-119 protein	323	84.375
1555	M97662	Rattus norvegicus beta-alanine synthase	255	80.000
1556	AF067226	Homo sapiens cGMP phosphodiesterase A4	205	55.172
1557	AB018274	Homo sapiens KIAA0731 protein	497	67.857
1558	D86566	Homo sapiens NOTCH4	307	100.000
1559	D87326	Mus musculus GSG2	328	42.069

1560	U09413	Homo sapiens zinc finger protein ZNF135	618	68.376
1561	L28167	Mus musculus zinc finger protein	674	78.947
1562	X91788	Homo sapiens Icln protein	639	100.000
1563	D87127	Homo sapiens translocation protein-1	520	62.205
1564	U17342	Thermus sp. serine proteinase	262	41.121
1565	D80005	Homo sapiens KIAA0183	55	46.667
1566	AB014594	Homo sapiens KIAA0694 protein	366	52.212
1567	AF099032	Homo sapiens embryonic ectoderm development protein short isoform	208	76.190
1568	U95171	Drosophila melanogaster microtubule associated protein	229	25.191
1569	AF064748	Mus musculus S3-12	569	79.464
1570	A36790	unidentified LIGHT CHAIN VARIABLE REGION C21-L3	154	96.000
1571	AF017152	Mus musculus Shc binding protein	234	83.333
1572	AF095136	Homo sapiens protein O-mannosyl-transferase 1	1351	89.474
1573	AF165161	Homo sapiens FLASH	732	100.000
1574	AL008637	Homo sapiens NCF4	247	83.333
1575	AB007931	Homo sapiens KIAA0462 protein	151	83.333
1576	AF055291	Rattus norvegicus signal transducer and activator of transcription 4	238	97.059
1577	AL031667	Homo sapiens dJ620E11.1a (novel Helicase C-terminal domain and SNF2 N-terminal domains containing protein, similar to KIAA0308)	440	78.889
1578	AF143946	Homo sapiens transcriptional activator SRCAP	963	98.675
1579	AF022256	Mus musculus corneal proteoglycan, keratocan	221	37.069
1580	X67052	Gallus gallus c-Rml	301	95.745
1581	AC006539	Homo sapiens BC39498 2	584	63.866
1582	AL080156	Homo sapiens hypothetical protein	260	38.462
1583	S67826	Homo sapiens immunoglobulin heavy chain variable region	549	67.568
1584	Z68760	Homo sapiens Similarity to Human ankaryin (SW:ANKB_HUMAN); cDNA EST EMBL:D34286 comes from this gene; cD	306	38.655
1585	Z70271	Unknown Similarity to Yeast E1-E2 ATPase (SW:YED1_YEAST); cDNA EST EMBL:D37634 comes from this gene	709	44.737
1586	AB018334	Homo sapiens KIAA0791 protein	175	84.848
1587	AF091624	Drosophila melanogaster Pelle associated protein Pellino	420	60.952
1588	AB004884	Homo sapiens PKU-alpha	161	70.588
1589	U52193	Mus musculus phosphoinositide 3-kinase	922	99.259
1590	M80902	Homo sapiens AHNAK nucleoprotein	686	79.032
1591	AB019440	Homo sapiens immunoglobulin heavy chain variable region	643	81.250
1592	X60155	Homo sapiens zinc finger 41	788	63.473
1593	Y17793	Mus musculus Dutt1 protein	546	56.522
1594	AB007876	Homo sapiens KIAA0416	459	43.382
1595	D63850	Mus musculus hepatoma-derived growth factor	182	27.439
1596	AJ010949	Mus musculus calcium channel alpha-2-delta-C subunit	1093	97.605
1597	U34360	Homo sapiens LAF-4	211	82.353
1598	V00401	Gallus gallus collagen	559	54.861
1599	AC006266	Arabidopsis thaliana hypothetical protein	147	46.667
1600	U35371	Rattus norvegicus neural cell adhesion protein BIG-2 precursor	690	93.519
1601	J02635	Rattus norvegicus prealpha-2-macroglobulin	304	41.667
1602	U03969	Tripneustes gratilla dynein heavy chain isotype 1B	694	76.515
1603	Z81138	Caenorhabditis elegans predicted using	193	35.246

		Genefinder; cDNA EST EMBL:D65543 comes from this gene		
1604	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	677	83.761
1605	D86983	Homo sapiens similar to D.melanogaster peroxidase(U11052)	236	35.115
1606	AL021918	Homo sapiens b34I8.1 (Kruppel related Zinc Finger protein 184)	571	57.724
1607	D87437	Homo sapiens KIAA0250	165	96.429
1608	X51394	Xenopus laevis APEG precursor protein	305	47.619
1609	X72473	Homo sapiens Ig kappa light chain (VJC)	376	82.609
1610	AF132726	Mus musculus FLASH	396	60.606
1611	X69942	Mus musculus enhancer-trap-locus-1	233	94.872
1612	L24907	Rattus norvegicus protein kinase I	157	89.286
1613	M98326	Homo sapiens valyl-tRNA synthetase	584	71.930
1614	AL031667	Homo sapiens dJ620E11.1a (novel Helicase C-terminal domain and SNF2 N-terminal domains containing protein, similar to KIAA0308)	545	100.000
1615	D90188	Homo sapiens phSR2	201	78.125
1616	AJ004810	Zea mays cytochrome P450 monooxygenase	159	68.293
1617	U93872	Kaposi's sarcoma-associated herpesvirus ORF 73, contains large complex repeat CR 73	149	31.298
1618	X79233	Mus musculus EWS	175	74.194
1619	Z54216	Unknown similar to DNAJ protein; cDNA EST EMBL:T00334 comes from this gene; cDNA EST EMBL:T01898 co	255	41.237
1620	AF159295	Homo sapiens serine/threonine protein kinase Kp78 splice variant CTAK75a	164	71.795
1621	AJ012376	Homo sapiens ATP-binding cassette transporter-1 (ABC-1)	181	33.043
1622	AL031432	Homo sapiens dJ465N24.1 (PUTATIVE novel protein similar to predicted yeast and worm proteins)	168	80.645
1623	Z49144	Oryctolagus cuniculus multidrug resistance-associated protein 2	513	48.125
1624	Z97628	Homo sapiens Similarity to Human GC-rich DNA-binding factor (GCF) (SW:P16383); cDNA EST yk238e11.3 comes	178	31.624
1625	U58134	Mus musculus poly(A) polymerase VI	242	97.297
1626	U93181	Homo sapiens nuclear dual-specificity phosphatase	240	48.889
1627	Z80220	Unknown similar to nucleotide binding protein; cDNA EST EMBL:M75897 comes from this gene; cDNA EST	289	27.326
1628	U31961	Drosophila melanogaster ORF2	199	37.931
1629	M63438	Homo sapiens , gene product	518	81.188
1630	X92653	Drosophila melanogaster unknown product	340	50.459
1631	Z25535	Homo sapiens nuclear pore complex protein hnup153	283	100.000
1632	AL031667	Homo sapiens dJ620E11.1a (novel Helicase C-terminal domain and SNF2 N-terminal domains containing protein, similar to KIAA0308)	531	67.544
1633	AF017806	Mus musculus Zn-15 transcription factor	713	94.690
1634	U09116	Homo sapiens ORF2, encodes a reverse transcriptase homolog	198	56.604
1635	X94082	Xenopus laevis KLP2 protein	191	90.323
1636	AF062187	Homo sapiens immunoglobulin heavy chain variable region	653	88.073
1637	X90568	Homo sapiens Protein sequence and annotation available soon via Swiss-Prot; available at present via e-mail from LABELIT@EMBL-	488	97.403

1676	D16626	Homo sapiens histidase	198	79.487
1677	AB018268	Homo sapiens KIAA0725 protein	216	100.000
1678	AB004885	Homo sapiens PKU-beta	172	92.593
1679	Z26876	Homo sapiens ribosomal protein	24	57.143
1680	AF044209	Homo sapiens nuclear receptor co-repressor N-CoR	362	82.540
1681	AF151827	Homo sapiens CGI-69 protein	299	78.571
1682	AB002299	Homo sapiens KIAA0301	272	64.286
1683	AF060076	Mus musculus polyhomeotic 2 protein	245	67.797
1684	AF015911	Rattus norvegicus NAC-1 protein	796	97.541
1685	AJ243997	Homo sapiens ERIC1	167	96.667
1686	AF118023	Homo sapiens SH3 domain-binding protein SNP70	441	86.957
1687	X69086	Homo sapiens utrophin (dystrophin related protein)	200	22.326
1688	AF016903	Homo sapiens agrin precursor	476	39.394
1689	L13923	Homo sapiens fibrillin	220	83.333
1690	X89858	Drosophila melanogaster actin binding protein	184	64.865
1691	U31629	Mus musculus unknown	201	65.789
1692	U68233	Homo sapiens farnesol receptor HRR-1	204	100.000
1693	AB011370	Mus musculus Ankhzn	148	100.000
1694	M74165	Gallus gallus tensin	589	65.714
1695	AB020662	Homo sapiens KIAA0855 protein	225	59.322
1696	AL117237	Homo sapiens hypothetical protein	597	90.816
1697	AF042191	Danio rerio paraxial protocadherin; PAPC	439	50.382
1698	U08813	Oryctolagus cuniculus 597 aa protein related to Na/glucose cotransporters	220	94.444
1699	U40342	Mus musculus ninein	495	68.103
1700	AF039698	Homo sapiens antigen NY-CO-33	746	39.523
1701	M90656	Homo sapiens gamma-glutamylcysteine synthetase	215	100.000
1702	AF166261	Xenopus laevis nuclear protein Sojo	360	55.856
1703	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	545	76.577
1704	AF129756	Homo sapiens NG26	272	75.000
1705	D44497	Homo sapiens human p57	368	80.000
1706	U97189	Caenorhabditis elegans strong similarity to thw P13/P14 family of kinases	141	29.412
1707	AL117204	Caenorhabditis elegans predicted using Genefinder	202	40.845
1708	AF017275	Mus musculus growth factor independence-1B	594	77.679
1709	D26069	Homo sapiens KIAA0041	227	23.963
1710	Z81525	Unknown cDNA EST yk361e11.5 comes from this gene; cDNA EST yk222c8.3 comes from this gene; cDNA EST	372	41.026
1711	D10627	Mus musculus zinc finger protein	576	54.412
1712	X69942	Mus musculus enhancer-trap-locus-1	1250	96.373
1713	AC007204	Homo sapiens BC273239 1	691	60.927
1714	AF016448	Caenorhabditis elegans No definition line found	564	41.791
1715	U56732	Rattus norvegicus KRAB/zinc finger suppressor protein 1	903	66.667
1716	X64228	Homo sapiens putative oncogene	273	92.000
1717	AF064553	Mus musculus NSD1 protein	1556	69.429
1718	AF028789	Homo sapiens UNC-119b	199	67.500
1719	L01986	Homo sapiens trithorax	227	97.297
1720	U09413	Homo sapiens zinc finger protein ZNF135	537	62.963
1721	Z66568	Schizosaccharomyces pombe hypothetical trp-aspartate repeats containing protein	461	54.237
1722	X69942	Mus musculus enhancer-trap-locus-1	698	96.296
1723	AF038007	Homo sapiens FIC1	480	84.615
1724	M86664	Equine herpesvirus 1 membrane glycoprotein	166	25.150
1725	Z26634	Homo sapiens ankyrin B (440 kDa)	312	33.898

1757	Z27079	Unknown cDNA EST CEMSF67FB comes from this gene; cDNA EST CEMSF67R comes from this gene; cDNA EST y	497	35.039
1758	AL035601	Arabidopsis thaliana putative protein	241	27.811
1759	AJ005821	Homo sapiens X-like 1 protein	507	51.299
1760	AB026190	Homo sapiens Kelch motif containing protein	264	42.478
1761	AL021768	Arabidopsis thaliana putative protein	321	28.947
1762	U90920	Homo sapiens PTPL1-associated RhoGAP	909	47.097
1763	U76373	Mus musculus skm-BOP1	960	96.403
1764	M12130	Mus musculus RNA polymerase II	377	88.060
1765	AF144477	Homo sapiens myotilin	645	98.947
1766	AB005549	Rattus norvegicus atypical PKC specific binding protein	875	79.412
1767	AF020261	Santalum album proline rich protein	176	34.444
1768	X17617	Mus musculus zinc finger protein (AA 1-580)	658	48.148
1769	U39850	Caenorhabditis elegans coded for by C. elegans cDNA yk131g12.5	207	29.221
1770	M84911	Pseudomonas aeruginosa ORF located downstream of mmsAB operon, has sequence similarity to an acetyl-CoA synthetase; ORF1; putative	670	59.006
1771	AF051944	Gallus gallus Xin	326	42.857
1772	AB002388	Homo sapiens KIAA0390	480	34.557
1773	X90568	Homo sapiens Protein sequence and annotation available soon via Swiss-Prot; available at present via e-mail from LAbEIT@EMBL-Heidelberg.DE	932	99.301
1774	AB023178	Homo sapiens KIAA0961 protein	919	59.906
1775	AF051945	Mus musculus Xin	526	61.194
1776	AL117666	Homo sapiens hypothetical protein	285	100.000
1777	L16547	Bos taurus chloride channel protein	441	74.725
1778	U05204	Oryctolagus cuniculus preproacrosin	188	59.459
1779	AF167320	Mus musculus zinc finger protein ZFP113	807	56.633
1780	AL080125	Homo sapiens hypothetical protein	1297	56.592
1781	U50413	Mus musculus phosphoinositide 3-kinase p85alpha	501	94.595
1782	Z98601	Schizosaccharomyces pombe hypothetical protein	334	31.500
1783	Y17267	Mus musculus ubiquitin-conjugating enzyme	1650	98.450
1784	AF056977	Penicillium chrysogenum hypothetical protein	329	36.806
1785	X64418	Drosophila melanogaster kurz protein	458	48.611
1786	X79828	Mus musculus NK10	1285	94.054
1787	AB018270	Homo sapiens KIAA0727 protein	1715	57.683
1788	Z70310	Caenorhabditis elegans R11A8.7b	1732	59.785
1789	AF036706	Caenorhabditis elegans No definition line found	495	41.000
1790	AB005549	Rattus norvegicus atypical PKC specific binding protein	2594	88.791
1791	AF015454	Xenopus laevis ER1	185	64.286
1792	X52943	Homo sapiens ATF-a protein (AA 1-483)	391	100.000
1793	U97006	Caenorhabditis elegans No definition line found	406	43.671
1794	M20031	Homo sapiens V-III-J region	383	95.312
1795	AF079765	Mus musculus enhancer of polycomb	616	96.000
1796	Z71180	Caenorhabditis elegans similar to BPTI/KUNITZ inhibitor domain; cDNA EST EMBL:D68293 comes from this gene; cDNA EST yk448h4.5 comes from this gene; cDNA EST yk249e6.5 comes from this gene; cDNA EST yk448h4.3 comes from this gene	731	44.141
1797	AB023216	Homo sapiens KIAA0999 protein	809	95.935
1798	AL022600	Schizosaccharomyces pombe hypothetical protein	428	40.860
1799	U34932	Rattus norvegicus Fos-related antigen	300	68.421
1800	Y00062	Homo sapiens precursor polypeptide (AA -23 to 1120)	203	82.857

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1841	X15657	Drosophila melanogaster Elf-1 protein (AA 1-1063)	374	58.163
1842	J03916	Escherichia coli phosphatidylserine decarboxylase	945	98.630
1843	U90880	Fugu rubripes zinc finger protein	665	92.632
1844	D63881	Homo sapiens KIAA0160 gene product is novel.	219	97.059
1845	U35376	Homo sapiens repressor transcriptional factor	706	73.134
1846	AB028978	Homo sapiens KIAA1055 protein	603	62.411
1847	AF126736	Homo sapiens ubiquitin processing protease	448	46.897
1848	Z73906	Caenorhabditis elegans cDNA EST EMBL:M88866 comes from this gene	168	36.145
1849	AL031032	Arabidopsis thaliana extensin-like protein	285	47.059
1850	AF181856	Rattus norvegicus tRNA selenocysteine associated protein	153	95.833
1851	AF055666	Mus musculus kinesin light chain 2	203	100.000
1852	Z12841	Oryctolagus cuniculus Phospholipase	1236	79.646
1853	M27878	Homo sapiens DNA binding protein	873	73.054
1854	AL031667	Homo sapiens dJ620E11.1a (novel Helicase C-terminal domain and SNF2 N-terminal domains containing protein, similar to KIAA0308)	206	93.548
1855	AB023155	Homo sapiens KIAA0938 protein	955	59.615
1856	AF167320	Mus musculus zinc finger protein ZFP113	829	76.871
1857	AB000512	Gallus gallus cadherin-10	735	78.571
1858	AC004227	Homo sapiens KIA001LB	2741	100.000
1859	M97639	Homo sapiens transmembrane receptor	840	87.591
1860	D63476	Homo sapiens The KIAA0142 gene is related to human KIAA0006 gene.	236	85.000
1861	AF091628	Mus musculus ERG-associated protein ESET	526	33.977
1862	AB023186	Homo sapiens KIAA0969 protein	581	31.343
1863	X78933	Homo sapiens zinc finger protein	1018	64.516
1864	AL049784	Homo sapiens hypothetical protein	1152	95.977
1865	Z48809	Unknown similarity to the yeast MET30 protein (PIR accession number S43750); cDNA EST EMBL:M89261 c	377	29.880
1866	AL050367	Homo sapiens hypothetical protein	378	46.400
1867	AJ242914	Mus musculus neurotrophin receptor interacting factor (NRIF1)	353	50.833
1868	AF043695	Caenorhabditis elegans Similar to mitochondrial carrier protein	287	37.778
1869	Z70310	Caenorhabditis elegans R11A8.7b	540	34.277
1870	D83146	Mus musculus Six5	825	81.935
1871	AB029290	Homo sapiens actin binding protein ABP620	1516	100.000
1872	AJ243806	Chlamydomonas reinhardtii 1-alpha dynein heavy chain	256	73.913
1873	AF004813	Homo sapiens electrogenic Na+ bicarbonate cotransporter; NBC	700	74.453
1874	AF135440	Mus musculus huntington yeast partner C	270	97.500
1875	U18991	Homo sapiens retinal pigment epithelium-specific 61 kDa protein	293	33.333
1876	X74546	Escherichia coli LysR homologue A	935	100.000
1877	M67467	Macaca fuscata 3-beta-hydroxy-5-ene steroid dehydrogenase/delta-5-delta-4 isomerase	858	85.430
1878	Z21707	Homo sapiens polypeptide	202	32.576
1879	U37775	Mus musculus tuberin	349	69.231
1880	AF022729	Rattus norvegicus HNK-1 sulfotransferase	361	41.667
1881	AF081941	Rattus norvegicus soluble adenylyl cyclase	178	38.961
1882	AF004715	Homo sapiens jerky gene product homolog	328	41.270
1883	M60172	Gallus gallus novel collagen protein	342	48.696

1884	AF056617	Homo sapiens BWSCR2 associated zinc-finger protein BAZ1	825	70.440
1885	AL021482	Caenorhabditis elegans Y39A1B.2	269	36.220
1886	D63478	Homo sapiens The KIAA0144 gene product is novel.	312	45.455
1887	AJ131021	Mus musculus ribosomal protein S6 kinase 3	720	79.365
1888	U49974	Homo sapiens mariner transposase	158	64.865
1889	AF016448	Caenorhabditis elegans No definition line found	719	47.083
1890	AB008164	Homo sapiens ST1C2	234	94.444
1891	U27196	Gallus gallus zinc finger protein	250	41.304
1892	Y08564	Homo sapiens UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase	546	63.303
1893	AL021492	Caenorhabditis elegans Y45F10D.11	230	51.429
1894	AF180728	Drosophila melanogaster sulfate transporter	429	36.709
1895	U88172	Caenorhabditis elegans No definition line found	202	25.000
1896	AL117626	Homo sapiens hypothetical protein	553	62.590
1897	X90568	Homo sapiens Protein sequence and annotation available soon via Swiss-Prot; available at present via e-mail from LAbEIT@EMBL-Heidelberg.DE	1907	98.233
1898	AB023155	Homo sapiens KIAA0938 protein	726	66.111
1899	Y13367	Homo sapiens phosphoinositide 3-kinase	442	98.413
1900	AF083391	Homo sapiens putative WHSC1 protein	191	41.791
1901	AB007934	Homo sapiens KIAA0465 protein	1347	64.286
1902	X69490	Homo sapiens titin	1208	97.980
1903	AF117888	Homo sapiens myosin-IXa	1547	100.000
1904	X90568	Homo sapiens Protein sequence and annotation available soon via Swiss-Prot; available at present via e-mail from LAbEIT@EMBL-Heidelberg.DE	856	98.485
1905	X69490	Homo sapiens titin	926	99.281
1906	X69490	Homo sapiens titin	1687	100.000
1907	X69089	Homo sapiens 165kD protein	598	36.630
1908	AB029290	Homo sapiens actin binding protein ABP620	1524	61.039
1909	X90568	Homo sapiens Protein sequence and annotation available soon via Swiss-Prot; available at present via e-mail from LAbEIT@EMBL-Heidelberg.DE	1635	100.000
1910	AB014601	Homo sapiens KIAA0701 protein	390	40.909
1911	AL031230	Homo sapiens dJ73M23.3 (KIAA0319)	258	41.129
1912	M32865	Homo sapiens Ku protein subunit	187	100.000
1913	AF038007	Homo sapiens FIC1	547	63.971
1914	D10712	Mus musculus nedd-1 protein	614	92.079
1915	D26069	Homo sapiens KIAA0041	156	29.921
1916	Z66496	Unknown cDNA EST EMBL:D71941 comes from this gene; cDNA EST EMBL:D74691 comes from this gene; cDNA	240	28.387
1917	AF140360	Homo sapiens histone acetyltransferase	159	100.000
1918	D42046	Homo sapiens The ha3631 gene product is related to S.cerevisiae protein encoded in chromosome VIII.	299	97.917
1919	AF125386	Drosophila melanogaster L82C	226	31.532
1920	D16611	Homo sapiens coproporphyrinogen oxidase	207	75.610
1921	AB028958	Homo sapiens KIAA1035 protein	402	48.000
1922	X79131	Mus musculus IB3/5-polypeptide	1535	78.105
1923	U72192	Homo sapiens lysosomal trafficking regulator LYST	160	100.000
1924	AF027955	Mus musculus G protein-coupled receptor	754	60.221
1925	M34551	Homo sapiens 52-kD Ro/SSA ribonucleoprotein	226	34.307

1968	AF181631	Drosophila melanogaster BcDNA.GH04929	245	28.481
1969	S48472	Felis catus arylsulfatase B, ARSB	727	57.838
1970	Z70683	Unknown Weak similarity to Human tyrosine-protein kinase CSK (SW:CSK_HUMAN); cDNA EST EMBL:C10908 c	326	47.273
1971	AF078790	Caenorhabditis elegans No definition line found	159	25.564
1972	Z22642	Homo sapiens PO-GA	214	28.488
1973	X56203	Plasmodium falciparum liver stage antigen	314	23.566
1974	X73882	Homo sapiens microtubule associated protein	298	38.776
1975	Z71178	Unknown similar to pro-collagen domains; cDNA EST EMBL:D27978 comes from this gene; cDNA EST EMBL:D	380	40.411
1976	D10627	Mus musculus zinc finger protein	747	56.287
1977	U09413	Homo sapiens zinc finger protein ZNF135	1082	52.797
1978	AF106682	Homo sapiens spindlin	770	75.159
1979	AL023781	Schizosaccharomyces pombe N-terminal acetyltransferase 1	686	40.876
1980	U53332	Caenorhabditis elegans No definition line found	190	30.769
1981	AF111169	Homo sapiens unknown	1357	77.741
1982	U41164	Rattus norvegicus Cys2/His2 zinc finger protein	1089	75.879
1983	AJ131720	Homo sapiens alpha integrin binding protein 80	2396	98.652
1984	U69262	Mus musculus matrilin-2 precursor	2150	86.765
1985	AC007193	Homo sapiens Putative homolog of hypoxia inducible factor three alpha	1849	95.172
1986	AF113131	Homo sapiens host cell factor homolog LCP	481	51.969
1987	L20450	Mus musculus DNA-binding protein	703	63.699
1988	AE000798	Methanobacterium thermoautotrophicum O-linked GlcNAc transferase	185	31.293
1989	AB011414	Homo sapiens Kruppel-type zinc finger protein	780	82.222
1990	S79915	Drosophila sp. Hls=155 kda putative DE-H type RNA-dependent ATPase-helicase/RNA localizing protein	335	27.037
1991	Z48241	Caenorhabditis elegans similar to coiled coil domains; cDNA EST yk302g12.5 comes from this gene; cDNA EST yk365d10.5 comes from this gene; cDNA EST yk461cl.5 comes from this gene	166	23.316
1992	AF012942	Dictyostelium discoideum HelD	580	50.532
1993	U39851	Caenorhabditis elegans coded for by C. elegans cDNA yk121e3.3; coded for by C. elegans cDNA yk121e3.5; coded for by C. elegans cDNA cm06g4	511	43.367
1994	AF067622	Caenorhabditis elegans Contains similarity to Pfam domain: PF00628 (PHD), Score=36.7, E-value=1.7e-07, N=2	320	32.227
1995	AJ003112	Homo sapiens doublecortin	202	28.947
1996	AL109832	Schizosaccharomyces pombe putative gtpase activating protein	433	35.484
1997	D87908	Mus musculus nuclear protein np95	1561	85.057
1998	AB014538	Homo sapiens KIAA0638 protein	238	36.774
1999	M95762	Rattus norvegicus GABA transporter	791	92.913
2000	Z49967	Unknown cDNA EST EMBL:T00743 comes from this gene; cDNA EST EMBL:D69356 comes from this gene; cDNA	238	41.837
2001	U78180	Homo sapiens sodium channel 2	794	56.281
2002	AB011094	Homo sapiens KIAA0522 protein	940	95.946
2003	L25055	Escherichia coli NADH dehydrogenase	440	98.413
2004	AF126867	Mus musculus calpain-like protease	1088	73.585
2005	L02897	Canis familiaris beta-spectrin	241	49.315
2006	X85214	Mus musculus ox40	1059	100.000
2007	D13159	Escherichia coli transaldolase	821	98.450

2008	AF064604	Homo sapiens KE03 protein	493	54.264
2009	X52574	Mus musculus GTP binding protein	363	50.420
2010	AF060503	Homo sapiens zinc finger protein	780	83.453
2011	D78174	Mus musculus Zic4 protein	1436	92.453
2012	L07736	Rattus norvegicus carnitine palmitoyltransferase I	1292	55.828
2013	L26049	Chlamydomonas reinhardtii dynein heavy chain alpha	184	28.431
2014	M80537	Drosophila melanogaster fat protein	180	28.767
2015	AF100956	Mus musculus Bingl	367	41.497
2016	AF047659	Caenorhabditis elegans No definition line found	331	52.336
2017	AF005654	Homo sapiens actin-binding double-zinc-finger protein	1835	96.471
2018	S62941	Homo sapiens Ps 2=basic proline-rich protein(PRB1L precursor protein=basic proline-rich proteins (Ps, PmF, PmS, and Pe) precursor) {C-terminal}	263	33.929
2019	AF071081	Mycobacterium tuberculosis proline-rich mucin homolog	269	35.507
2020	AB029013	Homo sapiens KIAA1090 protein	1055	67.633
2021	AL080125	Homo sapiens hypothetical protein	777	68.387
2022	U75276	Homo sapiens TFIIB related factor hBRF	172	96.154
2023	D90714	Escherichia coli Aldose 1-epimerase (EC 5.1.3.3) (mutarotase).	1371	97.156
2024	AF015297	Human herpesvirus 6 (strain Uganda-1102) IE2hom	194	24.583
2025	D87743	Homo sapiens Similar to Human Na+/H+ exchanger 2 (A57644)	193	57.692
2026	AB001735	Mus musculus ADAMTS-1	546	54.286
2027	U94585	Homo sapiens requiem homolog	1231	59.044
2028	AL031583	Unknown /prediction=(method:""genefinder"", version:""084"", score:""120.68""); /prediction=(meth	274	42.857
2029	AF057019	Dictyostelium discoideum interaptin	194	20.866
2030	AC004893	Homo sapiens similar to NEDD-4 (KIA0093); similar to P46934 (PID:g1171682)	773	98.214
2031	U09413	Homo sapiens zinc finger protein ZNF135	998	55.459
2032	U13766	Murine leukemia virus gag-pol polyprotein	159	46.154
2033	U28831	Homo sapiens protein that is immuno-reactive with anti-PTH polyclonal antibodies	518	82.524
2034	AF038599	Sus scrofa env protein	196	25.000
2035	D63476	Homo sapiens The KIAA0142 gene is related to human KIAA0006 gene.	210	75.610
2036	Z18361	Ovis aries trichohyalin	243	23.514
2037	AB002303	Homo sapiens KIAA0305	252	38.043
2038	AB015629	Homo sapiens type II membrane protein similar to HIV gp120-binding C-type lectin	637	78.231
2039	Y12400	Drosophila melanogaster putative organic cation transporter	470	42.222
2040	X78925	Homo sapiens zinc finger protein	816	57.592
2041	X06704	Homo sapiens trk-2h polypeptide	301	89.130
2042	L26507	Mus musculus myocyte nuclear factor	2438	97.268
2043	U05681	Homo sapiens homologous to members of the I-kappa B family; protein binds NF-kappa B proteins	236	35.036
2044	M55169	Homo sapiens tripeptidyl peptidase II	339	96.154
2045	U53420	Rattus norvegicus sodium-calcium exchanger form 3	894	95.652
2046	U84248	Aedes aegypti blood meal-induced protein	630	57.042
2047	AF121781	Homo sapiens unknown	244	25.201

2048	AF045022	Bos taurus phosphatidic acid-preferring phospholipase A1	1521	98.696
2049	AB023178	Homo sapiens KIAA0961 protein	687	60.248
2050	Z68760	Homo sapiens Similarity to Human ankaryin (SW:ANKB_HUMAN); cDNA EST EMBL:D34286 comes from this gene; cD	365	40.141
2051	D87433	Homo sapiens KIAA0246	1430	47.103
2052	AF104260	Homo sapiens hiwi	395	39.412
2053	AF032668	Rattus norvegicus rsecl5	897	98.561
2054	AC007228	Homo sapiens BC37295 1	1253	65.748
2055	Z93239	Unknown predicted using Genefinder; cDNA EST EMBL:D68680 comes from this gene; cDNA EST yk212g2.5 c	288	51.899
2056	U09874	Mus musculus SKD3	1468	92.500
2057	Y10601	Homo sapiens ankyrin-like protein	285	97.619
2058	U09411	Homo sapiens zinc finger protein ZNF132	689	60.839
2059	AB023163	Homo sapiens KIAA0946 protein	747	99.115
2060	AF109906	Mus musculus NG22	481	25.778
2061	AF075587	Homo sapiens protein associated with Myc	373	98.214
2062	AF041382	Drosophila melanogaster microtubule binding protein D-CLIP-190	316	33.588
2063	AF055636	Homo sapiens leucine-rich glioma-inactivated protein precursor	649	51.813
2064	AF115509	Homo sapiens LRR FLI-I interacting protein 2	214	100.000
2065	AB011532	Rattus norvegicus MEGF6	1378	74.762
2066	AF051945	Mus musculus Xin	990	77.835
2067	AB023209	Homo sapiens KIAA0992 protein	857	67.582
2068	AF069300	Arabidopsis thaliana contains similarity to Arabidopsis membrane-associated salt-inducible-like protein (GB:AL021637)	261	34.483
2069	AL050134	Homo sapiens hypothetical protein	402	38.418
2070	S60312	Mus sp. DMR-N9 {C-terminal}	512	70.370
2071	AF005050	Homo sapiens aspartyl aminopeptidase	255	82.609
2072	AB000113	Rattus norvegicus cationic amino acid transporter 3	1304	85.281
2073	AC005954	Homo sapiens ZO-3	807	100.000
2074	Z78543	Caenorhabditis elegans predicted using Genefinder	310	32.663
2075	AC003026	Homo sapiens Multiple drug resistance gene MRP1 (5' partial)	556	67.500
2076	M80537	Drosophila melanogaster fat protein	482	37.727
2077	L32162	Homo sapiens transcription factor	283	60.526
2078	U38620	Gallus gallus cSH-PTP2	766	94.118
2079	X65157	Mus musculus desmoyokin	271	39.855
2080	AB029290	Homo sapiens actin binding protein ABP620	766	63.542
2081	AB002347	Homo sapiens KIAA0349	216	75.000
2082	X62528	Rattus norvegicus ribonuclease inhibitor	578	42.347
2083	L40933	Homo sapiens phosphoglucomutase-related protein	369	100.000
2084	Z81051	Homo sapiens predicted using Genefinder; Similarity in 3' end to Human KIAA0173 protein (TR:Q14679); cDN	219	42.254
2085	U50078	Homo sapiens p532	388	88.235
2086	D86604	Mus musculus Bach2	1079	92.982
2087	AB026190	Homo sapiens Kelch motif containing protein	377	42.857
2088	AF119816	Oryctolagus cuniculus sodium bicarbonate cotransporter	694	88.235
2089	AE000350	Escherichia coli putative ATP-binding component of a transport system	1186	98.953
2090	AC005065	Homo sapiens determined by GENSCAN prediction	589	52.874

		and spliced EST; match to EST R84329 (NID:942735)		
2091	AJ010973	Homo sapiens DEDD protein	186	40.244
2092	AF117210	Homo sapiens host cell factor 2	191	36.905
2093	AB013605	Mus musculus Per3	669	46.275
2094	X64346	Saimiriine herpesvirus 2 ORF 73; ECLF1	179	26.829
2095	Y15054	Rattus norvegicus 70 kD tumor-specific antigen	173	38.202
2096	U55042	Bos taurus myosin X	1676	89.726
2097	AJ010949	Mus musculus calcium channel alpha-2-delta-C subunit	306	92.453
2098	AB020715	Homo sapiens KIAA0908 protein	400	47.863
2099	M28231	Drosophila melanogaster neuroglial precursor	287	32.370
2100	Y17048	Rattus norvegicus caldendrin	269	48.611
2101	D32210	Mus musculus cell surface protein	4497	93.557
2102	X86368	Mus musculus transcription factor	835	72.222
2103	AF023450	Homo sapiens Down syndrome cell adhesion molecule	720	70.064
2104	AL031118	Homo sapiens dJ153G14.3 (novel C2H2 type Zinc Finger protein)	159	22.656
2105	AF082556	Homo sapiens TRF1-interacting ankyrin-related ADP-ribose polymerase	313	32.800
2106	U32517	Saccharomyces cerevisiae Ydr324cp	296	36.691
2107	AC005005	Homo sapiens similar to phosphatidylinositol (4,5)bisphosphate 5-phosphatase; match to PID:g1399105	1949	98.592
2108	J04526	Rattus norvegicus hexokinase	983	74.611
2109	AL032626	Unknown cDNA EST EMBL:D70654 comes from this gene; cDNA EST EMBL:Z14359 comes from this gene; cDN	472	39.130
2110	U20105	Rattus norvegicus synaptotagmin VI	1371	92.444
2111	U55816	Rattus norvegicus furosemide-sensitive K-Cl cotransporter	4723	98.462
2112	AF038554	Homo sapiens density regulated protein drpl	233	97.143
2113	X56203	Plasmodium falciparum liver stage antigen	304	26.737
2114	AF071172	Homo sapiens HERC2	385	90.476
2115	AB018280	Homo sapiens KIAA0737 protein	173	96.429
2116	L21998	Homo sapiens mucin	408	22.769
2117	AB000275	Homo sapiens DAP-2	369	83.333
2118	AF151110	Mus musculus COPI protein	203	96.552
2119	AB002379	Homo sapiens KIAA0381	329	50.000
2120	J05499	Rattus norvegicus L-glutamine amidohydrolase	393	100.000
2121	U49974	Homo sapiens mariner transposase	252	78.000
2122	J03796	Homo sapiens erythroid protein 4.1 isoform B	233	29.412
2123	AF013969	Mus musculus antigen containing epitope to monoclonal antibody MMS-85/12	655	55.224
2124	D90828	Escherichia coli Lysostaphin precursor (EC 3.5.1.-).	946	100.000
2125	D90825	Escherichia coli ORF ID:o334#5; similar to	84	41.176
2126	AL096883	Homo sapiens hypothetical protein	327	27.376
2127	AB015484	Dugesia japonica myosin heavy chain	175	24.891
2128	U23516	Caenorhabditis elegans No definition line found	407	33.476
2129	AB023148	Homo sapiens KIAA0931 protein	523	97.531
2130	AF047347	Homo sapiens adaptor protein X11alpha	265	90.698
2131	D87436	Homo sapiens Similar to Human KIAA0188 protein	234	100.000
2132	AC003040	Arabidopsis thaliana putative nicotinate phosphoribosyltransferase	1483	44.241
2133	U73199	Mus musculus Rho-guanine nucleotide exchange factor	1694	72.654
2134	X95190	Homo sapiens branched chain acyl-CoA oxidase	273	97.561

2135	AB023212	Homo sapiens KIAA0995 protein	259	89.362
2136	AF103939	Homo sapiens echinoderm microtubule-associated protein-like EMAP2	249	39.706
2137	AB028997	Homo sapiens KIAA1074 protein	809	49.123
2138	U82761	Homo sapiens S-adenosyl homocysteine hydrolase homolog	189	100.000
2139	A63607	unidentified unnamed protein product	1113	100.000
2140	D87445	Homo sapiens KIAA0256	198	100.000
2141	AL009171	Drosophila melanogaster 62D9.a	2515	66.415
2142	D42063	Homo sapiens RanBP2 (Ran-binding protein 2)	1014	96.875
2143	L08505	Rattus norvegicus dynein heavy chain	2612	98.272
2144	AF056116	Fugu rubripes All-1 related protein	1045	69.444
2145	AF181639	Drosophila melanogaster BcDNA.GH09358	300	35.333
2146	AL031324	Schizosaccharomyces pombe membrane atpase	630	50.256
2147	Z97211	Schizosaccharomyces pombe kinesin-like protein	321	51.515
2148	AB002379	Homo sapiens KIAA0381	302	48.276
2149	AB002374	Homo sapiens KIAA0376	1155	100.000
2150	AF007116	Mus musculus cadherin 7 precursor	1048	93.373
2151	Z98866	Unknown predicted using Genefinder; cDNA EST yk261h2.3 comes from this gene; cDNA EST yk261h2.5 com	174	29.508
2152	AF043643	Xenopus laevis NF-protocadherin	665	43.396
2153	U81036	Rattus norvegicus ankyrin binding cell adhesion molecule neurofascin	722	84.848
2154	X62379	Mus musculus formin, isoform IV	744	73.203
2155	U29156	Mus musculus involved in signaling by the epidermal growth factor receptor; Method: conceptual translation supplied by author	1290	86.047
2156	X12517	Homo sapiens C protein (AA 1-159)	247	93.750
2157	D10171	Mus musculus glutamate receptor channel subunit delta-1	1458	97.391
2158	AB028997	Homo sapiens KIAA1074 protein	324	57.303
2159	Y14946	Homo sapiens SPIN protein	870	78.286
2160	AF084396	synthetic construct calmodulin mutant SYNCAM30	153	26.667
2161	AJ243460	Leishmania major proteophosphoglycan	249	30.488
2162	AF091457	Rattus norvegicus zinc finger protein RIN ZF	471	27.716
2163	AF151863	Homo sapiens CGI-105 protein	238	91.667
2164	X70326	Homo sapiens MacMARCKS	68	33.333
2165	U13766	Murine leukemia virus gag-pol polyprotein	159	46.154
2166	D32064	Homo sapiens 2-oxoglutarate dehydrogenase	2420	81.840
2167	X98055	Mus musculus glutathione S-transferase theta	302	65.753
2168	Y16610	Homo sapiens paraplegin	368	98.305
2169	AC006530	Homo sapiens unknown	214	86.486
2170	Y15895	Drosophila melanogaster ubiquitin activating enzyme	215	47.143
2171	U02476	Sus scrofa NADPH oxidase heavy chain subunit	182	39.130
2172	AC005053	Homo sapiens match to ESTs AA316181 (NID:g3165221), AA032221 (NID:gl502183), and AI167942 (NID:g3701112)	370	46.078
2173	U49114	Homo sapiens prohormone convertase 5 precursor	208	93.750
2174	AF001434	Homo sapiens Hpast	1306	80.000
2175	Y17867	Homo sapiens tenascin-X	2768	99.263
2176	Z77663	Caenorhabditis elegans cDNA EST yk221b11.5 comes from this gene; cDNA EST yk221b11.3 comes from this gene; cDNA EST yk614h5.3 comes from this gene	306	26.873
2177	AF055985	Onchocerca volvulus pyrrolidone-rich antigen	116	38.776
2178	AF070065	Rattus norvegicus Citron-K kinase	388	94.828
2179	A56817	unidentified unnamed protein product	389	44.304

2180	M37190	Homo sapiens ras inhibitor	319	46.610
2181	D90790	Escherichia coli ORF ID:o279#8; similar to	970	100.000
2182	AL050156	Homo sapiens hypothetical protein	189	100.000
2183	M81787	Gallus gallus , gene product	245	32.090
2184	X51829	Mus musculus MyD116 protein (AA 1-657)	168	40.000
2185	AF075461	Mus musculus ADP-ribosylation factor-directed GTPase activating protein isoform a	1131	94.220
2186	L07599	Homo sapiens ribosomal protein S6 kinase 3	182	64.583
2187	U55042	Bos taurus myosin X	1149	97.159
2188	S57132	Homo sapiens type XVI collagen alpha 1 chain, alpha 1 (XVI)	517	45.355
2189	L26335	Cavia porcellus zinc finger protein	617	50.602
2190	D42041	Homo sapiens The hal225 gene product is related to human alpha-glucosidase.	226	100.000
2191	AC004240	Homo sapiens match to Z43555 (NID:g572788)	994	99.338
2192	AB020665	Homo sapiens KIAA0858 protein	1454	100.000
2193	AB007407	Mus musculus myeloid zinc finger protein-2	185	68.182
2194	AB018333	Homo sapiens KIAA0790 protein	857	45.954
2195	A68194	unidentified unnamed protein product	793	92.424
2196	U14003	Escherichia coli apparent frameshift in GenBank Accession Number X55662	940	100.000
2197	U92949	Mus musculus kinesin motor protein	2353	83.641
2198	D80004	Homo sapiens KIAA0182	246	90.476
2199	AF058693	Mus musculus M-RdgB2 retinal degeneration protein B subtype 2	212	76.190
2200	AF143946	Homo sapiens transcriptional activator SRCAP	929	97.857
2201	AB014557	Homo sapiens KIAA0657 protein	499	30.400
2202	AF058693	Mus musculus M-RdgB2 retinal degeneration protein B subtype 2	1255	81.858
2203	AF050183	Rattus norvegicus GTPase activating protein SynGAP-c	979	94.969
2204	D21239	Homo sapiens C3G protein	174	89.655
2205	AF125964	Caenorhabditis elegans contains similarity to collagens	249	33.333
2206	U20281	Gallus gallus cell division cycle control protein 37	356	46.491
2207	X05173	Escherichia coli NR(II) (glnL gene product) (AA 1-349)	792	100.000
2208	D70831	Homo sapiens Zinc-finger protein	727	63.576
2209	X78932	Homo sapiens zinc finger protein	794	80.000
2210	U87305	Rattus norvegicus transmembrane receptor UNC5H1	796	90.000
2211	M74094	Schizosaccharomyces pombe mitotic control protein	207	27.128
2212	AL022018	Unknown /prediction=(method:"genscan", version:"1.0", score:"294.38"); /match=(desc:"THIAZ	413	55.140
2213	AF081825	Rattus norvegicus sodium-dependent high-affinity dicarboxylate transporter	980	91.358
2214	X74904	Gallus gallus alpha-2-macroglobulin receptor	1086	57.795
2215	AF016903	Homo sapiens agrin precursor	1538	95.902
2216	AF038564	Homo sapiens atrophin-1 interacting protein 4	219	39.286
2217	Z75712	Unknown Similarity with yeast gene L3502.1 (TREMBL ID G609424); cDNA EST EMBL:D33317 comes from thi	45	25.000
2218	Z75537	Caenorhabditis elegans Similarity to Aspergillus acid phosphatase (TR:G755244)	396	47.934
2219	U74586	Rattus norvegicus double-stranded RNA specific adenosine deaminase	688	89.286
2220	M19501	Escherichia coli formylglycineamide	814	96.032

		ribonucleotide synthetase (EC 6.3.5.3)		
2221	M96625	Gallus gallus cardiac muscle tensin	1139	53.165
2222	D25215	Homo sapiens KIAA0032	492	50.694
2223	AF006465	Mus musculus B cell antigen receptor Ig beta associated protein 1	941	80.838
2224	AF125455	Caenorhabditis elegans No definition line found	349	37.368
2225	AL035634	Homo sapiens dJ403L10.1 (SNX9 (Sorting Nexin 9))	555	49.718
2226	Z81125	Unknown cDNA EST yk422g1.5 comes from this gene; cDNA EST yk192c4.5 comes from this gene; cDNA EST	304	26.688
2227	AF176688	Rattus norvegicus sodium/calcium/potassium exchanger NCKX1	216	32.632
2228	X52022	Homo sapiens collagen type VI, alpha 3 chain	2313	99.180
2229	AB004906	Ipomoea purpurea transposase	227	21.290
2230	AL023799	Homo sapiens dJ322P7.1 (zinc finger)	561	64.138
2231	D38255	Homo sapiens CAB1	226	24.176
2232	AL009171	Drosophila melanogaster 62D9.o	1052	59.109
2233	AF060500	Homo sapiens liver specific transporter	803	53.219
2234	Y14946	Homo sapiens SPIN protein	224	100.000
2235	U20554	Drosophila melanogaster UDP-glucose:glycoprotein glucosyltransferase precursor	375	33.945
2236	Z68753	Unknown predicted using Genefinder; Similarity to Glucose-repressible alcohol dehydrogenase transc	293	43.269
2237	AJ004832	Homo sapiens neuropathy target esterase	1350	72.830
2238	Z80220	Unknown similar to nucleotide binding protein; cDNA EST EMBL:M75897 comes from this gene; cDNA EST	182	25.882
2239	AB000216	Rattus norvegicus CCA3	1343	61.747
2240	Y17832	Human endogenous retrovirus K env protein	616	63.636
2241	AB009024	Homo sapiens capping enzyme 1B	240	97.297
2242	D50455	Rattus norvegicus phospholipase C delta4	195	84.375
2243	AB002377	Homo sapiens KIAA0379	241	29.949
2244	AL033534	Schizosaccharomyces pombe serine-rich protein	214	28.934
2245	U09367	Homo sapiens zinc finger protein ZNF136	570	60.800
2246	AF019380	Arabidopsis thaliana putative phosphatidylinositol-4-phosphate 5-kinase	172	35.714
2247	U07817	Dictyostelium discoideum glutamine-asparagine rich protein	164	25.532
2248	AF078786	Caenorhabditis elegans No definition line found	210	32.836
2249	X94335	Saccharomyces cerevisiae YOR3348c	198	26.500
2250	AF100960	Rattus norvegicus protocadherin	282	39.161
2251	AF140674	Homo sapiens zinc metalloprotease ADAMTS6	372	44.030
2252	AF094508	Homo sapiens dentin phosphoryn	166	19.870
2253	AJ010045	Mus musculus guanine nucleotide-exchange factor	1262	69.811
2254	D86971	Homo sapiens no similarities to reported gene products	192	27.717
2255	AF134918	Mus musculus semaphorin subclass 4 member G	952	92.517
2256	AF179369	Mus musculus insulin-like growth factor binding protein 5 protease	517	52.071
2257	D37793	Mus musculus synaptotagminII/IP4BP	348	63.636
2258	AF167320	Mus musculus zinc finger protein ZFP113	626	63.281
2259	AL049688	Homo sapiens hypothetical protein	493	39.512
2260	AB023151	Homo sapiens KIAA0934 protein	2089	73.500
2261	X14805	Mus musculus DNA methyltransferase 1	201	55.814
2262	AL035403	Homo sapiens bK134P22.1 (novel protein similar to mouse Immunosuperfamily protein BL2)	552	50.968

2263	U35376	Homo sapiens repressor transcriptional factor	890	65.922
2264	AB002298	Homo sapiens KIAA0300	1347	99.519
2265	AF056302	Drosophila melanogaster eIF-2alpha kinase	338	48.214
2266	U28373	Saccharomyces cerevisiae Ydr365cp	638	37.500
2267	AC003682	Homo sapiens ZNF134	649	49.162
2268	S66427	Homo sapiens retinoblastoma binding protein 1, RBP1	476	47.399
2269	AL121800	Drosophila melanogaster BACN5I9.i	237	28.916
2270	U10281	Sus scrofa gastric mucin	205	24.497
2271	AF111168	Homo sapiens unknown	882	52.000
2272	AL021997	Homo sapiens dJ874C20.1 (Zinc Finger Protein ZFP47 LIKE)	427	63.636
2273	AF013969	Mus musculus antigen containing epitope to monoclonal antibody MMS-85/12	929	73.301
2274	Z68302	Caenorhabditis elegans ZK792.8	280	36.000
2275	AL049667	Homo sapiens hypothetical protein	760	98.305
2276	AF007157	Homo sapiens unknown	139	78.125
2277	X12593	Mus musculus mkr4	1169	71.493
2278	Z46970	Leishmania mexicana secreted acid phosphatase 2 (SAP2)	141	30.667
2279	X82153	Homo sapiens Cathepsin O	233	64.286
2280	U64675	Homo sapiens sperm membrane protein BS-63	437	95.714
2281	U80227	Mus musculus ELL	181	34.615
2282	AC004943	Homo sapiens alpha-fetoprotein enhancer-binding protein; 99% identical to A41948 (PID:g283975)	599	68.992
2283	U82535	Homo sapiens fatty acid amide hydrolase	224	69.388
2284	X97674	Homo sapiens transcriptional intermediary factor 2	336	100.000
2285	AC004991	Homo sapiens ATM-like; similar to AL022373 (PID:g3036812)	452	98.529
2286	L19102	Rattus norvegicus sodium dependent sulfate transporter	719	53.171
2287	AB007901	Homo sapiens HH0601 cDNA clone for KIAA0441 has an 82-bp deletion at positions between 1455 and 1538 of the sequence of KIAA0441.	220	100.000
2288	AB023624	Rattus norvegicus SCOP	1147	88.325
2289	Z72499	Homo sapiens herpesvirus associated ubiquitin-specific protease (HAUSP)	474	100.000
2290	U80953	Caenorhabditis elegans weakly similar in serine repeat region to rat thyroxine-binding globulin (PIR:A39567) and to D. melanogaster ecdysone-inducible protein E75-C (SP:E75C DROME,P13055)	547	32.961
2291	M63510	Rattus norvegicus uromodulin	445	50.000
2292	AF081158	Rattus norvegicus CL3BB	308	72.308
2293	AB020684	Homo sapiens KIAA0877 protein	224	67.308
2294	U10556	Saccharomyces cerevisiae Yhr074wp	343	76.562
2295	U75321	Mus musculus chromaffin granule ATPase II homolog	601	67.391
2296	M58583	Homo sapiens precerebellin	212	54.237
2297	AF083339	Mus musculus double-stranded RNA-binding zinc finger protein JAZ	358	47.934
2298	AB011370	Mus musculus Ankhzn	816	98.496
2299	U23514	Caenorhabditis elegans similar to S. cerevisiae SSD1 protein (SP:SSD1 YEAST, P24276) and to E. coli VACB and Ribonuclease II genes	315	39.231
2300	AB029034	Homo sapiens KIAA1111 protein	230	34.021
2301	AB014600	Homo sapiens KIAA0700 protein	2128	99.689
2302	U81035	Rattus norvegicus ankyrin binding cell adhesion molecule neurofascin	942	94.000

2424	X90569	Homo sapiens elastic titin	1126	98.830
2425	AF060246	Mus musculus zinc finger protein 106	574	89.362
2426	X90568	Homo sapiens Protein sequence and annotation available soon via Swiss-Prot; available at present via e-mail from LAbEIT@EMBL-Heidelberg.DE	1391	100.000
2427	X90569	Homo sapiens elastic titin	3791	99.307
2428	U41534	Caenorhabditis elegans Contains similarity to Pfam domain: PF00271 (helicase_C), Score=49.0, E-value=3.3e-11, N=1	332	37.500
2429	AB014542	Homo sapiens KIAA0642 protein	455	54.610
2430	AB029335	Halocynthia roretzi HrPET-3	243	36.641
2431	AB029018	Homo sapiens KIAA1095 protein	584	49.038
2432	AL031733	Homo sapiens dJ455J7.1 (cellular repressor of E1A-stimulated genes CREG)	443	39.416
2433	X14355	Homo sapiens FcRI b form (AA 1-344)	154	39.241
2434	AB011370	Mus musculus Ankhzn	193	96.774
2435	Z70269	Unknown predicted using Genefinder; Similarity to Yeast hypothetical protein YHG1 (SW:YHG1 YEAST);	501	58.400
2436	X97650	Mus musculus myosin-I	878	90.411
2437	U11843	Homo sapiens fructose transporter	356	65.333
2438	AC003007	Homo sapiens KIAA0220	333	100.000
2439	U91318	Homo sapiens pM5 (3' partial)	246	70.968
2440	AC003681	Homo sapiens match to AB002369 (NID:g2224682)	295	60.606
2441	D87845	Homo sapiens platelet-activating factor acetylhydrolase 2	202	83.333
2442	Z22181	Caenorhabditis elegans cDNA EST CEESN66F comes from this gene; cDNA EST yk395c9.5 comes from this gene	199	34.641
2443	Z83225	Caenorhabditis elegans similar to ankyrin domain; cDNA EST yk219g4.5 comes from this gene; cDNA EST yk590g11.3 comes from this gene; cDNA EST yk598d5.3 comes from this gene	266	35.075
2444	AF045640	Caenorhabditis elegans No definition line found	385	47.518
2445	AB018336	Homo sapiens KIAA0793 protein	230	34.711
2446	AB011116	Homo sapiens KIAA0544 protein	628	70.714
2447	AC006550	Unknown Identical to gb U12536 3-methylcrotonyl-CoA carboxylase precursor protein from Arabidopsi	677	55.191
2448	X64697	Homo sapiens titin	903	99.259
2449	Y18204	Equus caballus high affinity immunoglobulin E receptor alpha subunit	198	50.943
2450	AB028954	Homo sapiens KIAA1031 protein	177	45.283
2451	AF040944	Mus musculus P140	413	41.317
2452	AL021392	Homo sapiens dJ439F8.2 (novel KIAA0279 LIKE cadherin domain protein (similar to mouse Celsrl, rat MEGF2))	191	32.090
2453	AL022322	Homo sapiens bK228A9.1 (85 KDA CALCIUM-INDEPENDENT PHOSPHOLIPASE A2)	175	100.000
2454	Z67990	Caenorhabditis elegans similar to cuticle collagen	167	37.705
2455	U41543	Unknown Similar to Rat trg gene product; coded for by C. elegans cDNA yk31e7.5; coded for by C. ele	199	28.571
2456	D87908	Mus musculus nuclear protein np95	244	62.963
2457	Z73428	Caenorhabditis elegans similar to Zinc finger, C3HC4 type (RING finger); cDNA EST EMBL:D67323 comes from this gene	604	69.697

2500	AB023227	Homo sapiens KIAA1010 protein	766	29.806
2501	AF151847	Homo sapiens CGI-89 protein	285	52.500
2502	Z49212	Saccharomyces cerevisiae unknown	277	45.217
2503	Z23024	Homo sapiens rhoGAP protein	159	37.500
2504	U67322	Homo sapiens HBV associated factor	216	74.419
2505	U44731	Mus musculus purine nucleotide binding protein	676	70.629
2506	U62967	Homo sapiens Na ⁺ /nucleoside cotransporter	263	95.000
2507	AL035701	Homo sapiens dJ8B1.3 (similar to PLASMA-CELL MEMBRANE GLYCOPROTEIN PC-1)	420	38.068
2508	Z81557	Caenorhabditis elegans predicted using Genefinder; cDNA EST yk265g6.3 comes from this gene; cDNA EST yk265g6.5 comes from this gene; cDNA EST yk656g4.3 comes from this gene	292	52.439
2509	X96618	Mus musculus novel stromal cell protein	214	76.190
2510	AF117892	Homo sapiens aspartic-like protease	482	89.024
2511	AJ007395	Homo sapiens QA79 membrane protein	194	73.810
2512	U15131	Homo sapiens p126	427	37.959
2513	AL022238	Homo sapiens dJ1042K10.3 (novel protein)	209	32.164
2514	AL031324	Schizosaccharomyces pombe beta transducin	478	38.021
2515	U81788	Drosophila melanogaster kinesin-73	1309	67.961
2516	Y13245	Moraxella sp. NAD-dependent formate dehydrogenase	748	72.078
2517	L33861	Helicoidaris erythrogramma fibropellin Ia	540	41.209
2518	AJ243535	Synechococcus elongatus possible thiophene and furan oxidation protein	242	37.778
2519	AC002394	Homo sapiens Gene product with similarity to dynein beta subunit	749	59.538
2520	AL117610	Homo sapiens hypothetical protein	359	58.904
2521	Z78417	Caenorhabditis elegans cDNA EST EMBL:D27838 comes from this gene; cDNA EST EMBL:D27837 comes from this gene; cDNA EST yk315g9.5 comes from this gene	289	23.367
2522	AF101361	Drosophila melanogaster Abnormal X segregation	318	36.242
2523	K02581	Homo sapiens thymidine kinase (EC 2.7.1.21)	192	96.667
2524	X61276	Streptococcus pyogenes ML2.1	192	27.354
2525	L07911	Mus musculus DNA-binding protein	141	33.333
2526	AF098066	Homo sapiens squamous cell carcinoma antigen recognized by T cell	457	52.174
2527	AJ223324	Homo sapiens MAX.3 cell surface antigen	207	33.333
2528	AF127374	Streptomyces lavendulae unknown	586	38.645
2529	AF181626	Drosophila melanogaster BcDNA.GH03694	480	40.171
2530	AF184921	Rattus norvegicus ion transporter protein	299	45.055
2531	Z36233	Mus musculus sialoadhesin	394	70.130
2532	S62035	Homo sapiens Ras-specific guanine nucleotide-releasing factor, H-GRF55=CDC25 homolog	251	100.000
2533	AB023202	Homo sapiens KIAA0985 protein	247	61.017
2534	U63809	Homo sapiens prostate apoptosis response protein par-4	313	97.959
2535	AC004794	Homo sapiens F02569 2	141	41.791
2536	AF003134	Caenorhabditis elegans strong similarity to the CDC2/CDX subfamily of ser/thr protein kinases	532	54.483
2537	L06147	Homo sapiens golgin-95	226	51.000
2538	L06898	Actinomyces viscosus sialidase	174	30.657
2539	AC004997	Unknown match to ESTs AA667999 (NID:g2626700), AA165465 (NID:g1741481), Z45871 (NID:g575105), and	266	97.436
2540	X79568	Homo sapiens protein-tyrosine-phosphatase	630	97.826
2541	AJ388557	Canis familiaris zinc finger protein	973	61.137
2542	D86491	Xenopus laevis Nfr1	947	77.273

2543	U19361	Petromyzon marinus NF-180	164	30.769
2544	U25739	Mus musculus YSPL-1 form 2	367	80.303
2545	AF040642	Caenorhabditis elegans contains similarity to transacylases	498	39.583
2546	AF061026	Mus musculus leucine zipper-EF-hand containing transmembrane protein 1	376	60.870
2547	U13836	Mus musculus vacuolar adenosine triphosphatase subunit Ac116	1439	61.891
2548	D87467	Homo sapiens Similar to a C.elegans guanine nucleotide releasing factor homolog (S4 2368)	189	90.323
2549	U70825	Rattus norvegicus 5-oxo-L-prolinase	269	74.000
2550	M37760	Mus musculus serine 2 ultra high sulfur protein	441	49.123
2551	AB028978	Homo sapiens KIAA1055 protein	198	37.500
2552	U75686	Homo sapiens polyadenylate binding protein	725	59.140
2553	AC004755	Homo sapiens fos37502 2	4609	99.156
2554	D86970	Homo sapiens similar to myosin heavy chain: Containing ATP/GTP-binding site motif A(P-loop)	247	89.130
2555	U63818	Xenopus laevis RING finger protein	251	37.037
2556	L12147	Mus musculus early B-cell factor	1727	96.269
2557	AB014551	Homo sapiens KIAA0651 protein	287	100.000
2558	D83703	Homo sapiens peroxisome assembly factor-2	242	100.000
2559	X05418	Homo sapiens keratin type II (AA1-215)	178	46.753
2560	AB005549	Rattus norvegicus atypical PKC specific binding protein	963	88.125
2561	Z32683	Unknown cDNA EST EMBL:Z14902 comes from this gene; cDNA EST EMBL:M89155 comes from this gene; cDNA	327	30.293
2562	U81006	Homo sapiens p76	394	100.000
2563	X07695	Homo sapiens cytokeratin 4 (408 AA)	507	60.902
2564	U78516	Homo sapiens cAMP-regulated guanine nucleotide exchange factor II	557	33.333
2565	X97818	Mus musculus samaphorin G	914	93.793
2566	AF003384	Caenorhabditis elegans weak similarity to the peptidase family A2	343	39.130
2567	AB028959	Homo sapiens KIAA1036 protein	554	60.448
2568	D90272	Tachypleus tridentatus limulus factor C precursor	202	35.789
2569	AL021154	Homo sapiens dJ15005.1 (transcription factor E2F-2)	188	83.333
2570	D84296	Homo sapiens TPRDIII	863	89.189
2571	X15573	Homo sapiens 1-phosphofructokinase	236	62.264
2572	AC002310	Homo sapiens Unknown gene product	604	100.000
2573	AF041373	Rattus norvegicus clathrin assembly protein short form	445	60.800
2574	M64780	Rattus norvegicus agrin	267	38.614
2575	X74818	Homo sapiens AHNK-related protein	290	35.948
2576	X15657	Drosophila melanogaster Elf-1 protein (AA 1-1063)	229	46.429
2577	AB018281	Homo sapiens KIAA0738 protein	469	52.817
2578	AF151843	Homo sapiens CGI-85 protein	278	78.182
2579	U41558	Caenorhabditis elegans No definition line found	422	48.361
2580	Y09945	Rattus norvegicus putative integral membrane transport protein	498	50.000
2581	AF100960	Rattus norvegicus protocadherin	518	58.088
2582	AF104260	Homo sapiens hiwi	268	36.607
2583	AB018258	Homo sapiens KIAA0715 protein	881	55.981
2584	U20086	Mus musculus NF2d9	317	97.959
2585	D90734	Escherichia coli Helicase (EC 3.6.1.-) IV.	517	96.386
2586	Y12781	Homo sapiens transducin (beta) like 1 protein	303	80.000

2587	AF058446	Gallus gallus histone macroH2A1.2	225	26.027
2588	U19463	Mus musculus A20 protein	174	56.098
2589	AL022271	Unknown similar to Guanine nucleotide exchange factor for Rho/Rac/Cdc42-like GTPases; cDNA EST yk	279	40.952
2590	AB007864	Homo sapiens KIAA0404	345	47.573
2591	AB011535	Homo sapiens MEGF1	184	100.000
2592	AF030430	Mus musculus semaphorin VIA	487	98.630
2593	U14635	Caenorhabditis elegans similar to GABA and glycine receptors	511	43.011
2594	M28880	Homo sapiens ankyrin	224	94.444
2595	AF064553	Mus musculus NSD1 protein	311	95.349
2596	Z93241	Homo sapiens dJ222E13.3.2 (PUTATIVE partial isoform 2)	204	90.625
2597	Z70310	Caenorhabditis elegans R11A8.7b	267	39.416
2598	Z70200	Homo sapiens U5 snRNP-specific 200kD protein	5272	99.137
2599	AF099974	Mus musculus schlafen3	242	37.984
2600	AF117754	Homo sapiens thyroid hormone receptor-associated protein complex component TRAP240	426	95.588
2601	D25538	Homo sapiens KIAA0037	251	100.000
2602	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	793	80.916
2603	M33874	Xenopus laevis Xotch protein	285	44.444
2604	Z78417	Caenorhabditis elegans cDNA EST EMBL:D27838 comes from this gene; cDNA EST EMBL:D27837 comes from this gene; cDNA EST yk315g9.5 comes from this gene	260	29.596
2605	M76720	Xenopus laevis egg-specific protein	523	64.516
2606	U76764	Homo sapiens CD97	415	64.130
2607	U92072	Rattus norvegicus m-tomoyin	1290	98.396
2608	U23516	Caenorhabditis elegans No definition line found	249	41.414
2609	Z70038	Caenorhabditis elegans cDNA EST EMBL:D32579 comes from this gene; cDNA EST EMBL:D35254 comes from this gene; cDNA EST yk224b3.5 comes from this gene; cDNA EST yk357f10.5 comes from this gene	543	37.949
2610	Z24680	Homo sapiens garp	271	84.615
2611	Z70038	Caenorhabditis elegans cDNA EST EMBL:D32579 comes from this gene; cDNA EST EMBL:D35254 comes from this gene; cDNA EST yk224b3.5 comes from this gene; cDNA EST yk357f10.5 comes from this gene	793	38.292
2612	M21389	Homo sapiens keratin type II	295	58.333
2613	AL023777	Schizosaccharomyces pombe rna binding protein	241	59.016
2614	U21317	Caenorhabditis elegans similar to YBS4 YEAST (P38244) hypothetical 47.8 kD protein in HSP26-SEC18 intergenic region	196	28.986
2615	Y12781	Homo sapiens transducin (beta) like 1 protein	1121	93.939
2616	AF097887	Rattus norvegicus Chp	1103	98.780
2617	M77003	Mus musculus glycerol-3-phosphate acyltransferase	237	35.032
2618	L08811	Drosophila melanogaster adherin	656	53.804
2619	U20217	Mus musculus fibrillin-2	1007	66.477
2620	Z38112	Caenorhabditis elegans E03A3.6	231	30.827
2621	Z26653	Homo sapiens laminin M chain (merosin)	191	32.283
2622	AF155117	Homo sapiens NY-REN-62 antigen	355	50.000
2623	AF104260	Homo sapiens hiwi	682	55.495
2624	U03979	Tripneustes gratilla dynein heavy chain isotype 7B	1034	82.386
2625	AF113614	Cricetulus griseus Toll-like receptor 2	176	31.973

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2670	AJ006486	Mus musculus RNA binding protein	178	92.857
2671	X90568	Homo sapiens Protein sequence and annotation available soon via Swiss-Prot; available at present via e-mail from LABEIT@EMBL-Heidelberg.DE	1021	99.412
2672	AF034611	Homo sapiens intrinsic factor-B12 receptor precursor; cubilin	503	26.196
2673	X75603	Pleurodeles waltl fibroblast growth factor receptor 3	536	32.738
2674	Z75527	Caenorhabditis elegans predicted using Genefinder; Similarity to Human ARNT interacting protein (TR:G1144013)	560	28.820
2675	U88167	Caenorhabditis elegans contains similarity to C2 domains	557	29.268
2676	AF102875	Mus musculus mismatch-specific thymine-DNA glycosylate	156	95.652
2677	AF053700	Homo sapiens deltex	250	40.952
2678	AB002377	Homo sapiens KIAA0379	2295	68.738
2679	D13635	Homo sapiens KIAA0010	203	96.667
2680	AB018274	Homo sapiens KIAA0731 protein	601	82.524
2681	D80001	Homo sapiens similar to hypothetical protein D4478 of S.cerevisiae.	833	100.000
2682	U84725	Mus musculus GATA-5 cardiac transcription factor	687	77.600
2683	AF003535	Homo sapiens ORF2-like protein	320	78.947
2684	U12336	Rattus rattus acetylcholine receptor alpha 9 subunit	293	69.841
2685	U50078	Homo sapiens p532	430	97.183
2686	D38582	Escherichia coli FhiA	1092	96.591
2687	D90828	Escherichia coli Pyruvate kinase (EC 2.7.1.40)	793	100.000
2688	U00039	Escherichia coli No definition line found	820	100.000
2689	M80458	Escherichia coli biotin carboxylase	522	100.000
2690	U14003	Escherichia coli vacB gene product	993	93.671
2691	D90725	Escherichia coli ORF ID:o212#3	1008	99.342
2692	M18747	Escherichia coli glutamate synthase large subunit (EC 2.6.1.53)	716	98.230
2693	D90840	Escherichia coli Transcriptional activator protein MetR.	745	100.000
2694	D90876	Escherichia coli dihydrodipicolinate synthase (EC 4.2.1.52)	498	97.403
2695	AE000412	Escherichia coli putative transport	1123	98.315
2696	M11689	Escherichia coli positive regulatory protein	436	100.000
2697	L08399	Escherichia coli peripheral membrane protein	1199	98.907
2698	D90699	Escherichia coli Sensor protein copS (EC 2.7.3.-).	938	100.000
2699	X69089	Homo sapiens 165kD protein	339	100.000
2700	L13601	Escherichia coli homoserine kinase	749	100.000
2701	D90868	Escherichia coli PUTATIVE PEPTIDASE IN GCVT-SPOIIIAA INTERGENIC REGION (EC 3.4.-.-).	693	97.273
2702	Z19601	Escherichia coli ORF, trpS. Hall C.V., van Cleemput M., Muench K.H., Yanofsky C.; J. Biol. Chem. 257(11):6132-6136(1982)	538	68.800
2703	D90701	Escherichia coli Aspartate transaminase (EC 2.6.1.1)	860	89.189
2704	U70214	Escherichia coli hypothetical	540	100.000
2705	D90824	Escherichia coli Probable ATP-dependent helicase dinG homolog.	909	98.582
2706	K01174	Escherichia coli DnaB replication protein	834	100.000

		(dnaB)		
2707	D90812	Escherichia coli FixC protein.	765	98.319
2708	M38777	Escherichia coli htpG ORF	870	99.286
2709	U00006	Escherichia coli matches PS00443: Glutamine amidotransferases class-II active site	775	82.432
2710	AE000443	Escherichia coli orf, hypothetical protein	1135	98.765
2711	M37702	Escherichia coli queA	774	90.152
2712	AE000406	Escherichia coli putative ATP-binding component of a transport system	340	100.000
2713	L10328	Escherichia coli similar to R. meliloti nodulation protein D; similar to lysR class of regulatory proteins	610	93.000
2714	D13159	Escherichia coli transaldolase	452	100.000
2715	X71917	Escherichia coli glutamate decarboxylase	1162	98.182
2716	D90721	Escherichia coli Transmembrane protein dppC	488	100.000
2717	D38504	Escherichia coli formaldehyde dehydrogenase	959	99.301
2718	D90746	Escherichia coli SocA3 protein	648	95.192
2719	AJ224871	Escherichia coli GTPase	1178	95.745
2720	X14152	Escherichia coli SrmB protein	802	93.985
2721	D10483	Escherichia coli baiF homolog(PIR:F37844)	966	99.324
2722	D90744	Escherichia coli Flagellar hook-associated protein 1 (hap1) .	617	100.000
2723	X53696	Escherichia coli glutamate-1-semialdehyde 2,1-aminomutase	757	100.000
2724	M13457	Escherichia coli nmpC	818	97.541
2725	AE000391	Escherichia coli putative transport protein	392	100.000
2726	X04890	Escherichia coli threonine deaminase	1170	98.913
2727	D90836	Escherichia coli Invasin.	773	90.370
2728	D90878	Escherichia coli polyphosphate kinase (EC 2.7.4.1)	284	97.826
2729	X13141	Escherichia coli ugpE protein (AA 1-281)	841	91.489
2730	AE000341	Escherichia coli orf, hypothetical protein	1479	99.078
2731	U82598	Escherichia coli hypothetical protein	510	95.000
2732	D90801	Escherichia coli Mlc protein.	1038	96.319
2733	L03845	Escherichia coli glyoxylate carboligase	896	94.521
2734	M19501	Escherichia coli formylglycineamide ribonucleotide synthetase (EC 6.3.5.3)	888	98.462
2735	U43568	Brugia malayi microfilarial sheath protein SHP1	178	48.077
2736	AE000362	Escherichia coli putative glucarate dehydratase	1646	98.361
2737	D90701	Escherichia coli Hypothetical protein 200 (entA 3' region)	1342	99.024
2738	D90825	Escherichia coli ORF ID:o334#8; similar to	936	94.156
2739	D10483	Escherichia coli secA protein	829	96.269
2740	D90888	Escherichia coli PHOSPHO-2-DEHYDRO-3-DEOXYHEPTONATE ALDOLASE, TYR-SENSITIVE' (EC 4.1.2.15) (PHOSPHO-2-KETO-3-DEOXYHEPTONATE ALDOLASE) (DAHP SYNTHETASE) (3-DEOXY-D-ARABINO-HEPTULOSONATE 7-PHOSPHATE SYNTHASE) .	840	97.674
2741	D90823	Escherichia coli 3-isopropylmalate dehydrogenase (EC 1.1.1.85) (b-IPM dehydrogenase) (ImdH) (3-IPM-DH) .	815	100.000
2742	D10483	Escherichia coli hsp70 protein	965	100.000
2743	U14003	Escherichia coli ORF f543	765	95.276
2744	U00006	Escherichia coli similar to E. coli pyruvate formate-lyase activating enzyme	874	100.000
2745	D90732	Escherichia coli Hypothetical protein K	1269	100.000
2746	X72298	Escherichia coli homolog to ccl1 protein from Rhodobacter capsulatus	399	98.413
2747	AF009204	Homo sapiens PSD-95/SAP90-associated protein-2	278	97.619

2748	X15237	Escherichia coli AmpD protein (AA 1-183)	756	98.165
2749	D90803	Escherichia coli Sensor protein RstB (EC 2.7.3.-).	758	100.000
2750	U82598	Escherichia coli CitG homolog	820	100.000
2751	D90849	Escherichia coli D-mannonate oxidoreductase (EC 1.1.1.57) (Fructuronate reductase).	1346	99.495
2752	D90702	Escherichia coli Sensor kinase CitA	457	100.000
2753	U14003	Escherichia coli ORF f260	743	100.000
2754	M24905	Escherichia coli recE	1123	99.415
2755	D90777	Escherichia coli Copper amine oxidase precursor (EC 1.4.3.6) (Tyramine oxidase).	876	100.000
2756	M13495	Escherichia coli UvrA protein	934	97.333
2757	D90788	Escherichia coli Alcohol dehydrogenase I (EC 1.1.1.1) (ADH I).	1133	100.000
2758	D90783	Escherichia coli Tyrosine aminotransferase (EC 2.6.1.5) (L-tyrosine:2-oxoglutarate aminotransferase) (TAT).	448	98.551
2759	D90741	Escherichia coli MdoG protein.	257	100.000
2760	D90887	Escherichia coli similar to	706	100.000
2761	D13328	Escherichia coli Uronate isomerase	1155	99.438
2762	AE000249	Escherichia coli putative LACI-type transcriptional regulator	436	100.000
2763	D85613	Escherichia coli 30KD protein, similar to ADHX-RAT	188	100.000
2764	D90865	Escherichia coli LONG-CHAIN FATTY ACID TRANSPORT PROTEIN PRECURSOR (OUTER MEMBRANE FADL PROTEIN) (OUTER MEMBRANE FLP PROTEIN).	189	84.848
2765	D90716	Escherichia coli Molybdenum cofactor biosynthesis protein A.	628	94.624
2766	U28377	Escherichia coli ORF o219; alternate name yghB	761	100.000
2767	U93405	Escherichia coli 2,4-dienoyl-CoA reductase	775	95.868
2768	U00007	Escherichia coli yohG	672	94.872
2769	M38288	Escherichia coli RNA polymerase beta subunit (rpoC) (EC 2.7.7.6)	436	97.143
2770	X59460	Escherichia coli penicillin-binding protein 4 (PBP4)	786	97.414
2771	L19346	Escherichia coli urf1	919	97.222
2772	X13002	Escherichia coli exonuclease III	554	98.718
2773	AE000399	Escherichia coli orf, hypothetical protein	857	98.561
2774	D90715	Escherichia coli Aconitate hydratase, mitochondrial precursor (EC 4.2.1.3) (Citrate hydro-lyase) (Aconitase).	485	97.368
2775	M24148	Escherichia coli 2,3-dihydro-2,3-dihydroxybenzoate dehydrogenase	933	100.000
2776	U28377	Escherichia coli ORF f413	359	92.982
2777	U28379	Escherichia coli alternate name ygiP; ORF 310	716	97.248
2778	M32793	Escherichia coli amyломaltase (malQ)	780	100.000
2779	D90756	Escherichia coli 3-deoxy-D-manno-octulosonic acid 8-phosphate synthetase	406	86.301
2780	M87625	Escherichia coli cobalamin-independent methionine synthase	805	98.333
2781	AE000475	Escherichia coli B12-dependent homocysteine-N5-methyltetrahydrofolate transmethylase, repressor of metE and metF	1042	98.171
2782	AE000144	Escherichia coli putative enzyme	642	100.000
2783	M84805	Escherichia coli proton-glutamate	870	97.222
2784	AE000395	Escherichia coli putative tagatose-6-phosphate aldose/ketose isomerase	789	99.174
2785	M38777	Escherichia coli htpG ORF	658	100.000

		EMBL:C09261 comes from this gene; cDNA EST yk259c1.5 comes from this gene		
2913	Z72506	Unknown Similarity to Hydra RAS_like protein RAS2 (SW:RAS2_HYDMA); cDNA EST EMBL:D72418 comes from	291	47.107
2914	D67066	Bos taurus N-WASP	167	33.511
2915	X56044	Mus musculus protein Htf9C	2251	84.938
2916	X73974	Homo sapiens ribosomal protein L4	334	64.800
2917	U72882	Homo sapiens interferon-induced leucine zipper protein	1638	91.447
2918	X92352	Mus musculus homology to nucleosome assembly proteins; specifically expressed in neurons	373	33.422
2919	S67970	Homo sapiens ZNF75=KRAB zinc finger	1206	75.641
2920	AB017616	Mus musculus homologous to the yeast YGR163 gene	1923	81.989
2921	AL080141	Homo sapiens hypothetical protein	1134	54.695
2922	AF055084	Homo sapiens very large G-protein coupled receptor-1	11286	99.319
2923	AL050395	Homo sapiens hypothetical protein	846	88.506
2924	AF135440	Mus musculus huntington yeast partner C	384	68.041
2925	U07974	Gallus gallus unknown	175	28.105
2926	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	358	52.258
2927	Z78544	Caenorhabditis elegans predicted using Genefinder; Similarity to C.elegans Guanine nucleotide binding protein (WP:C14B1.4); cDNA EST yk567g12.3 comes from this gene	176	69.767
2928	S80119	Rattus sp. reverse transcriptase homolog	325	53.782
2929	M59227	Homo sapiens alpha-1 type III collagen	165	37.615
2930	AF039187	Schistosoma japonicum myosin	274	24.217
2931	Z68756	Homo sapiens Huntington Disease (HD) gene exon 1	171	35.632
2932	Y11770	Mus musculus very-long-chain acyl-CoA dehydrogenase	1714	47.430
2933	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	384	50.000
2934	U10414	Caenorhabditis elegans Contains similarity to Pfam domain: PF00005 (ABC_tran), Score=245.2, E-value=3e-70, N=2	446	46.087
2935	AF040105	Homo sapiens RCL	517	67.647
2936	Z69635	Unknown Similarity to Yeast uridine kinase (SW:URK1_YEAST); cDNA EST EMBL:Z14695 comes from this ge	705	49.393
2937	U22376	Homo sapiens alternatively spliced product using exon 13A	439	62.281
2938	X65120	Homo sapiens alpha1(X)collagen	487	36.424
2939	AF151825	Homo sapiens CGI-67 protein	1379	79.592
2940	AC004893	Homo sapiens similar to NEDD-4 (KIA0093); similar to P46934 (PID:g1171682)	1249	96.939
2941	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	438	77.895
2942	D50685	Trypanosoma cruzi trans-sialidase	274	41.709
2943	M33784	Dictyostelium discoideum protein-tyrosine kinase-2 (DPYK2)	299	30.449
2944	X53581	Rattus norvegicus ORF3	190	37.143
2945	S80119	Rattus sp. reverse transcriptase homolog	167	56.818
2946	U53153	Caenorhabditis elegans one short region of weak similarity to S. cerevisiae protease A inhibitor 3 (SP:P01094) and another short region of weak similarity to S. cerevisiae glucose repression mediator protein (SP:P14922)	513	34.756
2947	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	389	64.151

2948	AB020675	Homo sapiens KIAA0868 protein	8903	97.470
2949	AF067165	Homo sapiens zinc finger protein 3	728	52.423
2950	AB014580	Homo sapiens KIAA0680 protein	779	39.492
2951	U71601	Homo sapiens zinc finger protein zfp47	248	26.866
2952	M64793	Rattus norvegicus salivary proline-rich protein	266	30.943
2953	AF060173	Rattus norvegicus SV2 related protein	394	30.370
2954	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	413	67.647
2955	U79260	Homo sapiens unknown	356	71.429
2956	AF095155	Mus musculus Clq-related factor	310	33.000
2957	X91617	Mus musculus 5'-3' exonuclease	1721	56.593
2958	AC002505	Arabidopsis thaliana unknown protein	189	21.921
2959	AC006550	Arabidopsis thaliana Similar to gb U70015 lysosomal trafficking regulator from Mus musculus and contains 2 PF 00400 WD40, G-beta repeats. ESTs gb T43386 and gb AA395236 come from this gene.	528	33.542
2960	K02298	Rattus norvegicus chymotrypsin B	1644	91.288
2961	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	295	64.865
2962	AL080155	Homo sapiens hypothetical protein	2487	91.991
2963	AF020261	Santalum album proline rich protein	206	27.099
2964	Z69730	Schizosaccharomyces pombe putative ranbp7-importin-beta-cselp superfamily protein	445	24.756
2965	AF071103	Drosophila melanogaster myo-inositol-1-phosphate synthase	1866	61.169
2966	X70944	Homo sapiens PTB-associated splicing factor	1674	67.196
2967	AF095350	Homo sapiens RAB-like protein 2A	755	55.839
2968	AF036705	Unknown Similar to phytoene desaturase; coded for by C. elegans cDNA CEESX74F; coded for by C. el	746	43.987
2969	AL117452	Homo sapiens hypothetical protein	5690	97.068
2970	X59720	Saccharomyces cerevisiae YCR009c, len:265	264	26.446
2971	AC005396	Arabidopsis thaliana putative proline-rich cell wall protein	219	34.694
2972	AF078848	Homo sapiens BUP	985	62.136
2973	D87076	Homo sapiens similar to human bromodomain protein BR140 (JC2069)	3649	97.909
2974	AF056116	Fugu rubripes unknown	963	51.304
2975	AB011084	Homo sapiens KIAA0512 protein	523	34.426
2976	U73522	Homo sapiens AMSH	1185	53.736
2977	AF170708	Homo sapiens T-box protein TBX3	4480	98.207
2978	Z49068	Unknown similar to GTP-binding protein; cDNA EST EMBL:M89111 comes from this gene; cDNA EST EMBL:D2	64	25.000
2979	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	410	71.579
2980	AB023160	Homo sapiens KIAA0943 protein	2508	99.728
2981	U70935	Peromyscus maniculatus reverse transcriptase	265	48.214
2982	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	397	51.462
2983	AF165161	Homo sapiens FLASH	6603	97.103
2984	D55696	Homo sapiens cysteine protease	172	54.237
2985	AJ005071	Gallus gallus Tapasin	315	34.091
2986	U30292	Mus musculus collagen type XIII alpha-1 chain	725	51.835
2987	AJ243459	Leishmania major proteophosphoglycan	324	31.414
2988	U85995	Homo sapiens unknown	2241	90.618
2989	U49082	Homo sapiens transporter protein	1046	54.785
2990	AB023209	Homo sapiens KIAA0992 protein	4871	95.460
2991	M14123	Homo sapiens pol/env ORF (bases 3878-8257) first start codon at 4172; Xxx; putative	8432	95.434
2992	M20789	Homo sapiens alpha-1 type I collagen	225	31.307
2993	D63876	Homo sapiens KIAA0154 gene product is related	4406	94.077

		to mouse gamma adaptin.		
2994	X14401	Rattus rattus ribosomal protein L34	284	67.470
2995	AF167321	Mus musculus zinc finger protein ZFP235	1873	60.664
2996	AF159297	Zea mays extensin-like protein	404	27.051
2997	X95808	Homo sapiens X-linked mental retardation candidate gene	860	33.448
2998	U22376	Homo sapiens alternatively spliced product using exon 13A	361	65.591
2999	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	709	71.687
3000	AJ243459	Leishmania major proteophosphoglycan	186	29.461
3001	U97553	murine herpesvirus 68 unknown	281	28.708
3002	X56044	Mus musculus protein Htf9C	602	46.154
3003	Z46242	Caenorhabditis elegans similar to WD domain, G-beta repeat; cDNA EST yk283e3.3 comes from this gene; cDNA EST yk238e2.3 comes from this gene; cDNA EST yk283e3.5 comes from this gene; cDNA EST yk238e2.5 comes from this gene	1011	39.009
3004	X99252	Mus musculus arachidonate 12(S)-lipoxygenase	3252	74.548
3005	X92485	Plasmodium vivax pval	181	51.613
3006	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	431	72.165
3007	D70831	Homo sapiens Zinc-finger protein	373	35.439
3008	D78255	Mus musculus PAP-1	810	56.391
3009	AB023163	Homo sapiens KIAA0946 protein	4478	98.802
3010	Y10746	Homo sapiens methyl-CpG binding protein	3952	99.102
3011	D25215	Homo sapiens KIAA0032	2351	55.199
3012	AF034746	Mus musculus LNXp70	260	82.812
3013	AL080196	Homo sapiens hypothetical protein	5255	99.264
3014	AF056116	Fugu rubripes unknown	381	36.715
3015	AF036699	Caenorhabditis elegans Similar to cuticular collagen; F58F6.2	180	29.956
3016	K03332	Human herpesvirus 4 nuclear antigen 2	227	28.800
3017	AB011084	Homo sapiens KIAA0512 protein	856	40.670
3018	U41534	Caenorhabditis elegans Contains similarity to Pfam domain: PF00271 (helicase_C), Score=49.0, E-value=3.3e-11, N=1	606	41.833
3019	V00148	Caenorhabditis elegans unnamed protein product	176	36.406
3020	U79260	Homo sapiens unknown	402	75.824
3021	AB022915	Mus musculus sif and Tiam1-like exchange factor	3634	84.978
3022	AJ001616	Mus musculus myeloid associated differentiation protein	237	39.623
3023	M12099	Mus musculus proline-rich protein	257	36.000
3024	AL035655	Schizosaccharomyces pombe hypothetical protein	471	40.693
3025	S79915	Drosophila sp. Hls=155 kda putative DE-R type RNA-dependent ATPase-helicase/RNA localizing protein	258	28.879
3026	AL031709	Homo sapiens c316G12.3 (novel protein)	1807	76.804
3027	AC006539	Homo sapiens BC39498 2	694	48.864
3028	AL110228	Homo sapiens hypothetical protein	4620	97.931
3029	AB020698	Homo sapiens KIAA0891 protein	3695	94.435
3030	AJ005890	Homo sapiens JM1	1043	86.301
3031	AJ388557	Canis familiaris zinc finger protein	1818	56.838
3032	V00147	Caenorhabditis elegans unnamed protein product	206	35.429
3033	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	385	61.111
3034	U22376	Homo sapiens alternatively spliced product using exon 13A	366	65.657
3035	U29154	Caenorhabditis elegans T07F12.1 gene product	451	31.939
3036	AL050396	Homo sapiens filamin	5534	77.814
3037	L01042	Homo sapiens TATA element modulatory factor	5656	99.460
3038	Z81503	Caenorhabditis elegans predicted using	146	33.000

		Genefinder; similar to collagen; cDNA EST EMBL:D65450 comes from this gene; cDNA EST EMBL:D68888 comes from this gene		
3039	D10627	Mus musculus zinc finger protein	756	58.730
3040	U93571	Homo sapiens p40	263	28.959
3041	AJ243459	Leishmania major proteophosphoglycan	270	36.123
3042	AL080159	Homo sapiens hypothetical protein	637	48.980
3043	Z77664	Unknown predicted using Genefinder; similar to Zinc finger, C2H2 type; cDNA EST CEMSC43F comes from	162	34.884
3044	AL079308	Streptomyces coelicolor putative serine/threonine protein kinase	194	31.795
3045	AB007887	Homo sapiens KIAA0427	325	29.221
3046	AB026190	Homo sapiens Kelch motif containing protein	480	26.882
3047	Y13374	Homo sapiens putative prenylated protein	966	82.530
3048	Y08766	Homo sapiens SF1-Bo isoform	86	29.101
3049	M80650	Caenorhabditis elegans alpha-collagen	206	31.414
3050	AJ242777	Mus musculus ABINs, A20-binding inhibitor of NF-kappa B activation (small)	567	36.503
3051	X71621	Saccharomyces cerevisiae hypothetical 58.9 kD protein	186	24.924
3052	X13885	Nicotiana tabacum extensin (AA 1-620)	274	24.568
3053	Y11395	Homo sapiens seventransmembrane-domain protein	1205	57.190
3054	AF156271	Homo sapiens RING finger protein terf	202	30.769
3055	V00148	Caenorhabditis elegans unnamed protein product	249	34.766
3056	U00025	Caenorhabditis elegans weak similarity to ATP synthase B chain	674	28.320
3057	AL080125	Homo sapiens hypothetical protein	525	61.268
3058	AF151827	Homo sapiens CGI-69 protein	1344	76.144
3059	AL080123	Homo sapiens hypothetical protein	528	30.366
3060	L11672	Homo sapiens zinc finger protein	442	26.448
3061	X74764	Homo sapiens protein-tyrosine kinase	5319	96.647
3062	AF149093	Mus musculus zinc finger ZF-12	354	59.036
3063	U79260	Homo sapiens unknown	242	56.180
3064	D31887	Homo sapiens KIAA0062	1316	50.000
3065	AF071081	Mycobacterium tuberculosis proline-rich mucin homolog	188	25.721
3066	D86966	Homo sapiens similar to human ZFY protein.	554	36.797
3067	X62681	Gallus gallus limb deformity protein	564	49.721
3068	AF087142	Homo sapiens TED protein	1040	41.016
3069	AF109906	Mus musculus NG22	720	30.270
3070	AB000459	Homo sapiens unnamed protein product	603	36.000
3071	X13885	Nicotiana tabacum extensin (AA 1-620)	383	31.976
3072	AF053356	Homo sapiens leucin rich neuronal protein	1429	67.016
3073	AB011164	Homo sapiens KIAA0592 protein	8471	97.791
3074	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	715	66.851
3075	AF039698	Homo sapiens antigen NY-CO-33	489	70.642
3076	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	476	50.228
3077	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	706	69.492
3078	M13100	Rattus norvegicus unknown protein	325	35.266
3079	L29028	Unknown amino acid feature: N-glycosylation sites, aa 41 .. 43, 46 .. 48, 51 .. 53, 72 .. 74, 107 .	224	31.609
3080	AJ243459	Leishmania major proteophosphoglycan	177	25.858
3081	AF043944	Mytilus edulis nongradient byssal precursor	277	27.792
3082	S69693	Leishmania donovani, ssp. infantum, Ethiopian LV9, amastigote, Peptide, 236 aa stage-specific S antigen homolog=A2 {repetitive sequence}	226	36.076
3083	X79881	Rattus norvegicus aggrecan like protein/	522	56.329

		brevican		
3084	AF039939	Canis familiaris type II collagen	94	44.444
3085	U04267	Gossypium barbadense proline-rich cell wall protein	143	27.749
3086	AC006220	Arabidopsis thaliana hypothetical protein	354	51.724
3087	X61295	Rattus norvegicus L1 retroposon, a portion of its ORF2 sequence	308	39.735
3088	AB029011	Homo sapiens KIAA1088 protein	4037	86.686
3089	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	419	71.134
3090	Z28201	Saccharomyces cerevisiae ORF YKL201c	151	27.273
3091	AB002336	Homo sapiens KIAA0338	6169	99.893
3092	AF159297	Zea mays extensin-like protein	284	25.967
3093	X92485	Plasmodium vivax pval	269	58.333
3094	AF060570	Mus musculus rig-1 protein	1698	73.156
3095	AF118223	Arabidopsis thaliana No definition line found	217	50.704
3096	U20107	Mus musculus synaptotagmin VIII	1134	69.922
3097	X51394	Xenopus laevis APEG precursor protein	376	36.861
3098	X79510	Homo sapiens protein-tyrosine-phosphatase	6982	97.056
3099	AF112299	Homo sapiens integral inner nuclear membrane protein MAN1	342	44.800
3100	Z28201	Saccharomyces cerevisiae ORF YKL201c	357	36.747
3101	U09367	Homo sapiens zinc finger protein ZNF136	577	52.717
3102	AF121009	Mycobacterium tuberculosis H37Rv hypothetical protein Jv0534	183	31.609
3103	U37263	Homo sapiens KRAB zinc finger protein; Method: conceptual translation supplied by author	385	57.692
3104	AB007447	Homo sapiens Fln29	165	62.745
3105	D13641	Homo sapiens mitochondrial outer membrane protein 19	416	75.962
3106	U41007	Caenorhabditis elegans similar to G beta repeats (PROSITE:PS00670)	280	37.226
3107	Z82268	Unknown predicted using Genefinder; similar to CUTICLE COLLAGEN 34; cDNA EST EMBL:D65629 comes from	227	35.971
3108	M73980	Homo sapiens TAN1	6446	98.970
3109	AC006293	Homo sapiens immunoglobulin-like transcript 10 protein	2290	88.060
3110	AF060248	Arabidopsis thaliana unknown	420	35.547
3111	X07881	Homo sapiens proline-rich protein G1	248	27.313
3112	U91318	Homo sapiens Gene product with similarity to Multidrug resistance protein MRP1	397	60.484
3113	U68488	Homo sapiens 5-hydroxytryptamine7 receptor isoform d	2150	82.989
3114	AJ245587	Homo sapiens Kruppel-type zinc finger	247	35.648
3115	U33460	Homo sapiens DNA-directed RNA polymerase I, largest subunit	1923	98.371
3116	AF159297	Zea mays extensin-like protein	231	35.581
3117	AL035423	Homo sapiens dJ20I3.1 (brain mitochondrial carrier protein-1 (BMCP1))	932	86.982
3118	U22376	Homo sapiens alternatively spliced product using exon 13A	322	58.000
3119	AL117201	Caenorhabditis elegans predicted using Genefinder	228	26.063
3120	Z67990	Caenorhabditis elegans similar to cuticle collagen	217	29.097
3121	AF151840	Homo sapiens CGI-82 protein	463	42.000
3122	D14539	Homo sapiens LTG19	72	29.885
3123	U05227	Homo sapiens Rar protein	1386	66.460
3124	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	248	56.818

3125	U53155	Unknown Similar to cuticular collagen; coded for by C. elegans cDNA yk58e6.3; coded for by C. elegans	182	30.544
3126	K03208	Homo sapiens salivary proline-rich protein precursor	73	33.333
3127	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	199	53.333
3128	AB014578	Homo sapiens KIAA0678 protein	6383	98.242
3129	U49974	Homo sapiens mariner transposase	763	73.298
3130	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	230	52.475
3131	U15181	Mycobacterium leprae 4-coumarate-coA ligase	787	40.000
3132	X06956	Homo sapiens alpha-tubulin	2225	92.521
3133	U22376	Homo sapiens alternatively spliced product using exon 13A	448	65.179
3134	Z97336	Arabidopsis thaliana hypothetical protein	722	37.755
3135	AF045646	Caenorhabditis elegans contains similarity to collagens	138	29.646
3136	AC005360	Homo sapiens FAA	501	41.962
3137	Z35597	Unknown Weak similarity with sea squirt nidogen precursor protein (blastp score 71); cDNA EST EMBL:	760	36.188
3138	M80344	Homo sapiens ORF1 codes for a 40 kDa product	333	50.450
3139	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	345	54.032
3140	L01775	Daucus carota proline-rich protein	273	35.211
3141	D90813	Escherichia coli ORF ID:o322#7; similar to	718	34.388
3142	AF063613	Homo sapiens 2'-5'oligoadenylate synthetase 3	7385	98.896
3143	J04974	Homo sapiens alpha-2 type XI collagen	196	29.435
3144	AF077538	Caenorhabditis elegans unknown	213	23.353
3145	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	332	59.048
3146	AF159297	Zea mays extensin-like protein	368	29.979
3147	M74027	Homo sapiens mucin	262	26.357
3148	U22376	Homo sapiens alternatively spliced product using exon 13A	399	73.494
3149	Z68215	Unknown similar to collagen; cDNA EST EMBL:D69371 comes from this gene; cDNA EST EMBL:D65671 comes	166	35.294
3150	M63798	Blaberus discoidalis cytochrome P450	653	50.711
3151	Z48045	Caenorhabditis elegans sre-2	1047	48.817
3152	AF104413	Homo sapiens large tumor suppressor 1	1687	72.566
3153	AF121009	Mycobacterium tuberculosis H37Rv hypothetical protein Jv0534	206	33.333
3154	L35013	Homo sapiens spliceosomal protein	215	32.877
3155	U24246	Drosophila melanogaster I71-7	302	28.926
3156	Z83232	Unknown cDNA EST EMBL:D26959 comes from this gene; cDNA EST EMBL:D26963 comes from this gene; cDNA	380	27.711
3157	AC007228	Homo sapiens BC37295 1	647	47.005
3158	U32447	Trypanosoma cruzi mucin-like protein	182	37.795
3159	U97006	Caenorhabditis elegans No definition line found	308	36.913
3160	AJ131535	Zea mays Hydroxyproline-rich Glycoprotein (HRGP)	204	22.464
3161	U48852	Cricetulus griseus HT protein	1918	76.453
3162	AF177758	Homo sapiens ubiquitin specific protease 16	1185	75.781
3163	U38252	Mus musculus fractionated X-irradiation-induced 29 thymoma	1015	60.702
3164	U76618	Mus musculus N-RAP	1163	48.603
3165	AF159297	Zea mays extensin-like protein	252	29.502
3166	U40029	Caenorhabditis elegans Contains similarity to Pfam domain: PF01060 (Worm family_2), Score=203.8, E-value=8.6e-58, N=1	431	33.918

3167	M36912	Zea mays cell wall protein (put.); putative	245	30.072
3168	AF108843	Homo sapiens env protein	680	34.195
3169	AF022985	Unknown Similar to collagen; coded for by C. elegans cDNA yk55f3.3; coded for by C. elegans cDNA	215	32.719
3170	AB028954	Homo sapiens KIAA1031 protein	2361	48.748
3171	M17802	Plasmodium falciparum circumsporozoite protein	213	28.676
3172	AF067165	Homo sapiens zinc finger protein 3	780	61.677
3173	U53154	Caenorhabditis elegans No definition line found	310	21.905
3174	Y12713	Mus musculus Gag polyprotein	516	43.210
3175	U95090	Homo sapiens F19541 1	1909	64.974
3176	X67156	Rattus norvegicus (S)-2-hydroxy-acid oxidase	1033	69.068
3177	S62936	Homo sapiens PRB1S precursor protein=basic proline-rich proteins (Ps, PmF, PmS, and Pe) precursor {C-terminal}	206	31.140
3178	M97347	Homo sapiens beta-1,6-N-acetylglucosaminyltransferase	343	72.973
3179	U60315	Molluscum contagiosum virus subtype 1 MC132L	484	41.429
3180	U58658	Homo sapiens unknown	257	62.162
3181	U93574	Homo sapiens putative p150	358	40.092
3182	U93571	Homo sapiens p40	409	42.941
3183	AC004235	Homo sapiens Myt1	359	51.163
3184	U40187	Caenorhabditis elegans C. elegans cuticle collagen col-8	169	31.472
3185	U79260	Homo sapiens unknown	288	58.696
3186	Z46787	Unknown cDNA EST EMBL:D75506 comes from this gene; cDNA EST EMBL:D72588 comes from this gene; cDNA	376	46.497
3187	U23514	Caenorhabditis elegans No definition line found	321	32.000
3188	U79260	Homo sapiens unknown	288	58.696
3189	U22376	Homo sapiens alternatively spliced product using exon 13A	445	56.115
3190	AC005175	Homo sapiens R31449 3	1854	57.739
3191	AJ010949	Mus musculus calcium channel alpha-2-delta-C subunit	448	41.667
3192	U97553	murine herpesvirus 68 unknown	375	33.992
3193	L06147	Homo sapiens golgin-95	469	59.854
3194	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	438	77.895
3195	U97553	murine herpesvirus 68 unknown	197	31.276
3196	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	692	66.111
3197	X54162	Homo sapiens 64 Kd autoantigen	958	42.523
3198	S78234	Homo sapiens H-NUC=nuclear DNA binding protein	976	74.297
3199	U79260	Homo sapiens unknown	324	62.637
3200	AF152502	Homo sapiens protocadherin beta 9	1129	73.061
3201	AF006065	Fowlpox virus gag	296	31.474
3202	AF056617	Homo sapiens BWSCR2 associated zinc-finger protein BAZ1	1075	61.176
3203	U93566	Homo sapiens p40	263	47.706
3204	M34551	Homo sapiens 52-kD Ro/SSA ribonucleoprotein	376	36.321
3205	M19503	Homo sapiens ORF1; putative	223	31.679
3206	AC004883	Homo sapiens similar to KIAA0766; similar to PID:g3882253	434	26.087
3207	L11672	Homo sapiens zinc finger protein	864	43.077
3208	AJ225122	Mus musculus hyperpolarization-activated cation channel, HAC1	138	34.783
3209	AF071172	Homo sapiens HERC2	4696	97.127
3210	AB011532	Rattus norvegicus MEGF6	2066	74.143
3211	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	373	72.826
3212	U09116	Homo sapiens ORF1, encodes a 40 kDa product	238	39.706

3213	U85494	Zea mays LON1 protease	1881	56.238
3214	AF027973	Nephila clavipes flagelliform silk protein	430	29.014
3215	M17491	Mus musculus procollagen type I alpha chain	220	31.556
3216	AF132947	Homo sapiens CGI-13 protein	676	86.131
3217	U93564	Homo sapiens p40	227	28.571
3218	X69115	Homo sapiens ZNF37A	284	33.333
3219	AF045646	Caenorhabditis elegans contains similarity to collagens	182	34.363
3220	X63005	Mus musculus proline-rich protein	240	36.123
3221	AF132181	Drosophila melanogaster unknown	951	33.564
3222	AF081789	Mus musculus cell surface antigen AA4	359	28.053
3223	AF020261	Santalum album proline rich protein	210	29.811
3224	U09413	Homo sapiens zinc finger protein ZNF135	1531	53.753
3225	U22376	Homo sapiens alternatively spliced product using exon 13A	305	65.517
3226	AL023776	Schizosaccharomyces pombe hypothetical protein	363	26.359
3227	AL009196	Unknown /prediction=(method:""genefinder"", version:""084"", score:""59.41""); /prediction=(metho	858	37.209
3228	U09413	Homo sapiens zinc finger protein ZNF135	1801	58.093
3229	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	296	38.636
3230	M73980	Homo sapiens TAN1	10993	98.985
3231	AF181640	Drosophila melanogaster BcDNA.GH09817	553	45.575
3232	AF043642	Rattus norvegicus matrin cyclophilin	328	31.164
3233	AF121009	Mycobacterium tuberculosis H37Rv hypothetical protein Jv0534	212	33.163
3234	M73491	Mus musculus N-acetylglucosaminyltransferase I	499	37.193
3235	X55777	Homo sapiens put. ORF	261	60.526
3236	X15332	Homo sapiens alpha-1 (III) collagen	118	32.824
3237	X05830	Mus musculus ORF2 product	778	73.034
3238	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	416	71.134
3239	AF067946	Caenorhabditis elegans similar to Drosophila ring canal protein (kelch) (SW:Q04652)	376	25.683
3240	AF015037	Oryctolagus cuniculus endooligopeptidase A related protein; EOPA related protein	3012	90.154
3241	AF130441	Arabidopsis thaliana UVB-resistance protein UVR8	255	30.729
3242	U10281	Sus scrofa gastric mucin	199	24.405
3243	U93305	Homo sapiens triple LIM domain protein	406	47.863
3244	U20106	Rattus norvegicus synaptotagmin VII	1036	88.679
3245	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	359	66.337
3246	AF038963	Homo sapiens RNA helicase	584	31.690
3247	X92517	Saccharomyces cerevisiae N1751	291	29.614
3248	Z11773	Homo sapiens SRE-ZBP	2709	97.810
3249	AB011164	Homo sapiens KIAA0592 protein	8487	97.938
3250	M65014	Ovine pulmonary adenocarcinoma virus pol protein	377	41.358
3251	Z69635	Unknown Similarity to Yeast uridine kinase (SW:URK1_YEAST); cDNA EST EMBL:Z14695 comes from this ge	536	40.728
3252	AB028987	Homo sapiens KIAA1064 protein	821	34.926
3253	U22376	Homo sapiens alternatively spliced product using exon 13A	398	78.824
3254	M14123	Homo sapiens pol/env ORF (bases 3878-8257) first start codon at 4172; Xxx; putative	781	33.830
3255	AJ010262	Mus musculus MT5-MMP protein	338	29.845
3256	U09366	Homo sapiens zinc finger protein ZNF133	1237	54.545
3257	AJ388557	Canis familiaris zinc finger protein	703	46.154
3258	U46068	Mus musculus von Ebner minor salivary gland	573	55.172

		protein		
3259	U13766	Murine leukemia virus gag-pol polyprotein	794	29.542
3260	AF069307	Homo sapiens sodium-dependent multivitamin transporter	1040	52.765
3261	AF041082	Rattus norvegicus transmembrane receptor Robo1	312	26.518
3262	X87342	Homo sapiens Human giant larvae homologue	3108	95.609
3263	AF159297	Zea mays extensin-like protein	291	31.768
3264	D32050	Homo sapiens alanyl-tRNA synthetase	1303	37.074
3265	U22376	Homo sapiens alternatively spliced product using exon 13A	333	70.886
3266	D10923	Homo sapiens HM74	601	39.597
3267	AL023893	Drosophila melanogaster /prediction=(method:""genefinder"", version:""084"", score:""111.64""); /prediction=(method:""genscan"", version:""1.0"")	489	32.500
3268	D10280	Oryctolagus sp. myosin heavy chain	647	33.559
3269	L19267	Homo sapiens putative	3331	95.104
3270	AB014604	Homo sapiens KIAA0704 protein	3282	97.619
3271	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	463	43.443
3272	AF182946	Rattus norvegicus BRCA1-associated RING domain protein 1	305	31.621
3273	U09413	Homo sapiens zinc finger protein ZNF135	558	41.277
3274	U60416	Rattus norvegicus myr 6 myosin heavy chain	2703	93.187
3275	AF100318	Homo sapiens mitogen-activated protein kinase kinase kinase 6	183	40.268
3276	Z79757	Unknown Similarity to Candida CDC4 gene (TR:E234056); cDNA EST EMBL:D27699 comes from this gene; cD	201	22.659
3277	AF044924	Homo sapiens hook2 protein	773	48.630
3278	AB011096	Homo sapiens KIAA0524 protein	347	61.607
3279	M27685	Mus musculus ultra-high sulphur keratin	255	48.193
3280	AL117532	Homo sapiens hypothetical protein	5467	97.852
3281	AB017616	Mus musculus homologous to the yeast YGR163 gene	2208	96.089
3282	S58722	Homo sapiens X-linked retinopathy protein {C-terminal, clone XEH.8c}	243	69.231
3283	AF072508	Homo sapiens envelope protein	165	43.182
3284	AL096811	Streptomyces coelicolor A3(2) putative acyl-CoA dehydrogenase	916	36.057
3285	AJ010046	Homo sapiens guanine nucleotide-exchange factor	2311	99.711
3286	U70932	Peromyscus leucopus reverse transcriptase	231	41.071
3287	U80735	Homo sapiens CAGF28	4578	97.312
3288	AL009147	Unknown /prediction=(method:""genscan"", version:""1.0"", score:""184.75""); /prediction=(method:	1309	49.883
3289	AJ000008	Homo sapiens PI3-kinase	9514	99.517
3290	AC004983	Homo sapiens similar to PID:g3877944	2934	94.456
3291	U15174	Homo sapiens BCL2/adenovirus E1B 19kD-interacting protein 3	287	65.169
3292	AL117204	Caenorhabditis elegans predicted using Genefinder	301	35.047
3293	M13100	Rattus norvegicus unknown protein	216	53.750
3294	Z46241	Unknown carboxyl terminus of the predicted protein shows similarity to chimaerin; cDNA EST EMBL:Z14	582	33.038
3295	D89340	Rattus norvegicus dipeptidyl peptidase III	3642	87.106
3296	U22376	Homo sapiens alternatively spliced product using exon 13A	355	63.636

		protein 1		
3430	AC006135	Arabidopsis thaliana putative vicilin storage protein (globulin-like)	358	31.250
3431	AL110210	Homo sapiens hypothetical protein	6927	99.899
3432	M24401	Mus musculus zinc finger protein	527	29.032
3433	AB014534	Homo sapiens KIAA0634 protein	8726	99.244
3434	AF145632	Drosophila melanogaster BcDNA.GH06032	2127	51.073
3435	AF005632	Homo sapiens phosphodiesterase I/nucleotide pyrophosphatase beta	6023	99.543
3436	AB016930	Cricetulus griseus Phosphatidylglycerophosphate synthase	3235	89.292
3437	AL031765	Unknown /prediction=(method:""genefinder"", version:""084"", score:""31.96""); /prediction=(metho	463	35.021
3438	AB023151	Homo sapiens KIAA0934 protein	6529	79.710
3439	AF155112	Homo sapiens NY-REN-50 antigen	1773	100.000
3440	AF124726	Homo sapiens acinusL	8287	99.070
3441	AF132180	Drosophila melanogaster unknown	796	36.267
3442	Z66524	Caenorhabditis elegans Homology with Squid retinal-binding protein (PIR Acc. No. A53057); cDNA EST yk463d10.3 comes from this gene; cDNA EST yk663h12.3 comes from this gene	1534	44.925
3443	AC007017	Arabidopsis thaliana putative RNA helicase A	936	40.690
3444	M26576	Homo sapiens alpha-1 type IV collagen	12444	99.880
3445	AC004381	Homo sapiens Unknown gene product	2096	76.321
3446	AF126867	Mus musculus calpain-like protease	1171	75.229
3447	X98411	Homo sapiens myosin-IE	1052	89.888
3448	AB018339	Homo sapiens KIAA0796 protein	7069	99.722
3449	U49829	Caenorhabditis elegans short region of weak similarity to human follicular variant translocation protein 1 precursor (FVT-1) (GB:X63657)	152	38.053
3450	AB007925	Homo sapiens KIAA0456 protein	7124	99.635
3451	AL110295	Schizosaccharomyces pombe hypothetical protein	173	44.156
3452	Z81569	Caenorhabditis elegans K11B4.2	188	33.663
3453	D86957	Homo sapiens similar to Drosophila melanogaster septin (sep2).	3283	100.000
3454	AF131739	Homo sapiens Unknown	354	48.077
3455	U62961	Homo sapiens succinyl CoA:3-oxoacid CoA transferase precursor	1658	75.802
3456	AF020760	Homo sapiens serine protease	2004	92.655
3457	AF152961	Homo sapiens chromatin-specific transcription elongation factor FACT 140 kDa subunit	5752	99.665
3458	U89876	Mus musculus ALY	1419	93.562
3459	AF020261	Santalum album proline rich protein	264	41.060
3460	AC002544	Homo sapiens Unknown gene product splice form-1	1337	82.186
3461	AB029022	Homo sapiens KIAA1099 protein	1600	58.085
3462	U76638	Homo sapiens BRCA1-associated RING domain protein	284	29.231
3463	AF007152	Homo sapiens unknown	2948	100.000
3464	D80001	Homo sapiens similar to hypothetical protein D4478 of S.cerevisiae.	4857	98.558
3465	AB018347	Homo sapiens KIAA0804 protein	7881	99.423
3466	AL009266	Homo sapiens hypothetical protein	889	56.623
3467	Z38011	Mus musculus DMR-N9	902	51.203
3468	AB014557	Homo sapiens KIAA0657 protein	5242	100.000
3469	AF176069	Homo sapiens ubiquilin	3836	99.832
3470	AF139923	Mus musculus receptor-activated calcium channel	576	76.119
3471	AJ131244	Homo sapiens Sec24A protein	7090	99.907

3516	AC004475	Homo sapiens F23858 1	3752	97.213
3517	D87071	Homo sapiens similar to C.elegans protein encoded in cosmid T20D3 (Z68220).	693	56.054
3518	U93868	Homo sapiens RNA polymerase III subunit	447	46.196
3519	X84693	Mus musculus testis nuclear RNA binding protein	1245	88.444
3520	AF134726	Homo sapiens NG37	3676	98.435
3521	AF070594	Homo sapiens HNK-1 sulfotransferase	403	28.344
3522	AF121080	Mus musculus cAMP inducible 1 protein	2332	81.406
3523	AF141315	Homo sapiens alpha-1,4-N-acetylglucosaminyltransferase	336	36.301
3524	U72520	Mus musculus mena protein	1198	80.992
3525	AJ003125	Homo sapiens procollagen I N-proteinase	8516	99.422
3526	Z19585	Homo sapiens thrombospondin-4	2679	99.737
3527	AF111785	Homo sapiens myosin heavy chain IIx/d	12060	99.433
3528	U43148	Homo sapiens patched gene homolog; similar to Drosophila patched protein, Swiss-Prot Accession Number P18502; transmembrane protein; Method: conceptual translation supplied by author	364	70.930
3529	AB002361	Homo sapiens KIAA0363	9948	99.277
3530	D31886	Homo sapiens KIAA0066	6604	100.000
3531	AF062389	Rattus norvegicus kidney-specific protein	1795	78.593
3532	AB020716	Homo sapiens KIAA0909 protein	8247	98.464
3533	D89285	Mesocricetus auratus inter-alpha-trypsin inhibitor heavy chain 1	939	34.375
3534	AB023221	Homo sapiens KIAA1004 protein	1327	67.266
3535	D38231	Oryza sativa RWD	192	31.707
3536	AF071544	Spinacia oleracea ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit N-methyltransferase I	405	28.090
3537	AJ131245	Homo sapiens Sec24B protein	8242	99.370
3538	A48861	Homo sapiens unnamed protein product	410	40.711
3539	A31036	Nicotiana glauca PRP2	126	41.270
3540	AJ222636	Homo sapiens hypothetical protein	1372	100.000
3541	U80747	Homo sapiens CAGH3	256	97.619
3542	AB020716	Homo sapiens KIAA0909 protein	8247	98.464
3543	AF151822	Homo sapiens CGI-64 protein	591	96.386
3544	AB011665	Mus musculus BAZF	2205	87.569
3545	AL096881	Homo sapiens hypothetical protein	432	45.143
3546	U41060	Homo sapiens LIV-1 protein	483	45.087
3547	AF064748	Mus musculus S3-12	405	63.158
3548	AF032666	Rattus norvegicus rsec5	3300	90.893
3549	D50925	Homo sapiens The KIAA0135 gene is related to pim-1 oncogene.	8355	99.597
3550	U79260	Homo sapiens unknown	333	70.886
3551	AL022314	Homo sapiens dJ1170K4.1 (novel protein similar to KIAA0176 and mouse, worm and fly proteins)	1658	89.655
3552	AB020671	Homo sapiens KIAA0864 protein	7713	99.590
3553	AL031033	Homo sapiens C321D2.1 (Ribosomal Large Subunit Pseudouridine Synthase (EC 4.2.1.70, Pseudouridylate Synthase, Uracil Hydrolase) LIKE protein)	2175	100.000
3554	AL009196	Unknown /prediction=(method:""genefinder"", version:""084""); /prediction=(method:""genscan"", ve	487	53.049
3555	AF132608	Homo sapiens histone deacetylase 5	7365	99.114
3556	U61538	Homo sapiens calcium-binding protein chp	221	31.928
3557	L07335	Homo sapiens putative	2166	99.085
3558	AB011173	Homo sapiens KIAA0601 protein	5852	100.000

3559	D79991	Homo sapiens putative hydrophobic domain in amino acid positions 373-390.	11158	99.712
3560	AF125451	Caenorhabditis elegans contains similarity to the NIFR3/SMM1 family	444	68.687
3561	U75467	Drosophila melanogaster Atu	599	54.974
3562	AL096750	Homo sapiens hypothetical protein	6025	93.699
3563	Y18314	Homo sapiens paraplegin-like protein	880	66.234
3564	AF177292	Homo sapiens genethonin 3	2211	100.000
3565	X97675	Homo sapiens plakophilin 2b	1407	99.556
3566	AL034399	Homo sapiens dA191P20.2 (novel Fibronectin type III domain containing protein similar to Ring finger protein MID1 (Midline 1))	2843	99.770
3567	S45936	Homo sapiens HTS1	1434	49.772
3568	AF045244	Klebsiella pneumoniae ribitol kinase	768	41.617
3569	AF155108	Homo sapiens NY-REN-41 antigen	1578	100.000
3570	AL022394	Homo sapiens dJ511B24.3 (KIAA0395 (probable Zinc Finger Homeobox protein))	3860	99.829
3571	X74654	Zea mays beta3 tubulin	876	33.698
3572	U17133	Rattus norvegicus ZnT-1	1945	81.671
3573	AJ010317	Fugu rubripes Sand	1593	68.232
3574	AB011180	Homo sapiens KIAA0608 protein	1272	77.366
3575	AF115313	Thermomonospora curvata PkwA	249	27.099
3576	X52138	Homo sapiens L7a protein	296	60.784
3577	AF097887	Rattus norvegicus Chp	840	61.321
3578	AC005005	Homo sapiens similar to phosphatidylinositol (4,5)bisphosphate 5-phosphatase; match to PID:q1399105	7224	99.905
3579	AF130366	Homo sapiens LISCH protein	4074	99.327
3580	AF045642	Caenorhabditis elegans No definition line found	446	29.762
3581	AF170723	Homo sapiens protein kinase STK10	435	43.386
3582	AL110124	Homo sapiens hypothetical protein	3965	99.836
3583	X62446	Gallus gallus PR 264	877	62.105
3584	AF119334	Homo sapiens zinc finger protein FOG-2	7618	99.298
3585	Y16187	Homo sapiens metalloproteinase	1830	98.127
3586	AF030430	Mus musculus semaphorin VIa	2240	91.826
3587	U73199	Mus musculus Rho-guanine nucleotide exchange factor	655	57.292
3588	AJ388553	Canis familiaris hypothetical protein	536	73.529
3589	AL050051	Homo sapiens hypothetical protein	774	100.000
3590	U66003	Xenopus laevis ADAM 13	1196	50.920
3591	AC006276	Homo sapiens R28379 3	452	56.376
3592	M31209	Gallus gallus skeletal muscle C-protein	374	35.096
3593	AF000657	Arabidopsis thaliana hypothetical protein	423	32.886
3594	AF152101	Homo sapiens paracellin-1	1810	98.168
3595	AB018253	Rattus norvegicus voltage-gated ca channel	2023	85.946
3596	D80005	Homo sapiens KIAA0183	7286	99.812
3597	AF015041	Homo sapiens NUMB-R protein	3525	99.625
3598	AF083384	Homo sapiens 45kDa splicing factor; SPF 45	1387	94.937
3599	AF067946	Caenorhabditis elegans similar to Drosophila ring canal protein (kelch) (SW:Q04652)	279	27.160
3600	U63648	Mus musculus p160 myb-binding protein	373	58.974
3601	L41690	Homo sapiens tumor necrosis factor receptor type 1 associated protein	2149	99.390
3602	U22376	Homo sapiens alternatively spliced product using exon 13A	445	82.353
3603	AC005896	Arabidopsis thaliana unknown protein	245	29.697
3604	U60269	Homo sapiens putative envelope protein; orf similar to env of Type A and Type B retroviruses and to class II HERVs	162	60.870

3605	X06256	Homo sapiens integrin alpha 5 subunit precursor	7007	99.333
3606	U18018	Homo sapiens adenovirus EA enhancer binding protein	3850	100.000
3607	U37439	Homo sapiens endoglin	4202	99.544
3608	AF003130	Caenorhabditis elegans No definition line found	324	35.088
3609	AB029041	Homo sapiens KIAA1118 protein	7413	99.485
3610	U29056	Mus musculus Src-like adapter protein	514	39.286
3611	AF136450	Homo sapiens goodpasture antigen-binding protein	4158	99.519
3612	AF074329	Mus musculus SH2-B PH domain containing signaling mediator 1 gamma isoform	3244	90.185
3613	AC006135	Arabidopsis thaliana putative vicilin storage protein (globulin-like)	258	26.642
3614	X52949	Giardia intestinalis unidentified reading frame; alternative codon use	207	36.257
3615	X82209	Homo sapiens MN1	3066	100.000
3616	AF132949	Homo sapiens CGI-15 protein	390	95.522
3617	AB028999	Homo sapiens KIAA1076 protein	5582	100.000
3618	L26335	Cavia porcellus zinc finger protein	899	93.333
3619	AB014553	Homo sapiens KIAA0653 protein	3829	99.821
3620	AC003034	Homo sapiens Gene with similarity to rat kidney-specific (KS) gene	317	58.182
3621	U20780	Mus musculus ubiquitinating enzyme E2-230 kDa	906	86.420
3622	D25218	Homo sapiens KIAA0112	2639	100.000
3623	U10536	Pan paniscus MHC class I A	872	84.049
3624	L00352	Homo sapiens low density lipoprotein receptor	4599	99.850
3625	AL031228	Homo sapiens dJ1033B10.10 (membrane protein with histidine rich charge clusters (HKE4, RING5))	593	38.920
3626	AB000215	Rattus norvegicus CCA1 protein	387	84.932
3627	AL032660	Caenorhabditis elegans predicted using Genefinder	521	31.949
3628	L39211	Homo sapiens carnitine palmitoyltransferase I	608	53.293
3629	AF003130	Caenorhabditis elegans No definition line found	865	40.625
3630	AF057026	Rattus norvegicus protein kinase KID-1	1480	94.444
3631	U90143	Homo sapiens butyrophilin protein	207	33.813
3632	AB007883	Homo sapiens KIAA0423	10829	99.529
3633	AB023227	Homo sapiens KIAA1010 protein	8670	99.848
3634	Z94864	Schizosaccharomyces pombe hypothetical protein	384	36.923
3635	U22376	Homo sapiens alternatively spliced product using exon 13A	320	71.084
3636	AF111105	Homo sapiens mitogen-activated protein kinase kinase kinase MEKK2	3994	98.546
3637	AF123880	multiple sclerosis associated retrovirus element unknown protein U5/1	317	79.032
3638	AB020720	Homo sapiens KIAA0913 protein	2943	98.633
3639	U15131	Homo sapiens p126	2467	64.726
3640	Y09631	Homo sapiens PIBF1 protein	643	79.452
3641	AL035263	Schizosaccharomyces pombe hypothetical protein	628	24.409
3642	AL050283	Homo sapiens hypothetical protein	976	54.015
3643	AF037454	Mus musculus ubiquitin protein ligase	5172	95.758
3644	AJ005891	Homo sapiens JM2	620	38.671
3645	AF149413	Arabidopsis thaliana contains similarity to protein kinase domains; Pfam PF00069, Score=15.8, E=0.0027, N=1	406	48.052
3646	M83297	Rattus norvegicus protein phosphatase 2A 55 kD regulatory subunit B	1912	78.919
3647	Z19152	Caenorhabditis elegans cDNA EST EMBL:T02216 comes from this gene; cDNA EST yk193b5.3 comes	364	29.218

		from this gene; cDNA EST yk193b5.5 comes from this gene		
3648	U95044	Homo sapiens zinc finger protein	1472	82.449
3649	X92666	Bos taurus cysteine string protein	329	82.258
3650	AB002384	Homo sapiens KIAA0386	715	29.856
3651	Z99709	Caenorhabditis elegans cDNA EST EMBL:D73217 comes from this gene; cDNA EST yk478c5.3 comes from this gene; cDNA EST EMBL:M89187 comes from this gene	237	28.044
3652	U71383	Homo sapiens OB binding protein-2	578	96.809
3653	U09874	Mus musculus SKD3	3142	95.050
3654	U79260	Homo sapiens unknown	318	70.513
3655	D87458	Homo sapiens Similar to Human estrogen-responsive finger protein, efp (A49656)	3757	99.636
3656	AB014522	Homo sapiens KIAA0622 protein	8194	99.153
3657	D87470	Homo sapiens KIAA0280	784	53.252
3658	AF082657	Homo sapiens Era GTPase A protein	2941	99.774
3659	AF123344	Homo sapiens Kruppel-like zinc finger transcription factor	2537	99.155
3660	U23172	Caenorhabditis elegans No definition line found	197	40.206
3661	L25125	Mus musculus RNA helicase	533	100.000
3662	AL049955	Homo sapiens hypothetical protein	1060	87.958
3663	U21556	Homo sapiens similar to rat integral membrane glycoprotein, PIR Accession Number A40670	2083	91.193
3664	AC008075	Arabidopsis thaliana F24J5.4	224	35.075
3665	D86983	Homo sapiens similar to D.melanogaster peroxidase(U11052)	10048	99.466
3666	AB018313	Homo sapiens KIAA0770 protein	4841	100.000
3667	AB028989	Homo sapiens KIAA1066 protein	7056	99.625
3668	U13262	Mus musculus myelin gene expression factor	701	80.714
3669	X85019	Homo sapiens UDP-GalNAc:polypeptide N-acetylgalactosaminyl transferase	1777	52.008
3670	D87325	Mus musculus GSG1	471	45.588
3671	AF000996	Homo sapiens ubiquitous TPR motif, Y isoform	191	71.739
3672	S58722	Homo sapiens X-linked retinopathy protein {C-terminal, clone XEH.8c}	289	78.689
3673	U41543	Unknown Similar to Rat trg gene product; coded for by C. elegans cDNA yk31e7.5; coded for by C. ele	881	45.652
3674	AL110490	Caenorhabditis elegans predicted using Genefinder	481	51.266
3675	U22376	Homo sapiens alternatively spliced product using exon 13A	445	82.353
3676	U22376	Homo sapiens alternatively spliced product using exon 13A	445	82.353
3677	X64995	Homo sapiens HGMP07J	856	55.469
3678	AB007862	Homo sapiens KIAA0402	11152	99.885
3679	AB002374	Homo sapiens KIAA0376	5532	99.548
3680	AB020671	Homo sapiens KIAA0864 protein	7713	99.590
3681	AC006201	Arabidopsis thaliana hypothetical protein	261	27.397
3682	AF124490	Homo sapiens ARF GTPase-activating protein GIT1	3300	96.507
3683	X75887	Bos taurus brevican	5154	89.180
3684	AF036249	Mus musculus polymerase I-transcript release factor; PTRF	2102	93.817
3685	U95031	Homo sapiens sublingual gland mucin	6305	99.659
3686	U94991	Xenopus laevis transcription factor XLM01	535	77.451
3687	AC004021	Homo sapiens kelch protein; ring canal component involved in cytoplasmic bridges; 77% Similarity to A45773 (PID:gl079096)	582	32.773

3772	M34915	Bos taurus retina-specific 15.7 kDa protein	376	57.778
3773	D86984	Homo sapiens similar to yeast adenylate cyclase (S56776)	1155	61.056
3774	D88750	Bacillus circulans beta-galactosidase	434	36.792
3775	Z50097	Drosophila melanogaster hdc protein	691	30.839
3776	U83246	Homo sapiens copine I	1011	53.667
3777	AB014516	Homo sapiens KIAA0616 protein	263	36.757
3778	AL031393	Homo sapiens dJ733D15.1 (Zinc-finger protein)	562	41.026
3779	Z24725	Homo sapiens mitogen inducible gene mig-2	4368	95.921
3780	U37376	Xenopus laevis MAM domain protein	1475	66.134
3781	AC007228	Homo sapiens BC37295 2 (partial)	1091	100.000
3782	AF124440	Homo sapiens MAGE tumor antigen D1	1496	57.176
3783	AF043695	Caenorhabditis elegans similar to the protein phosphates 2c family	732	37.789
3784	AL049733	Homo sapiens dJ875H3.1 (APK1 antigen)	1628	81.034
3785	AC006225	Arabidopsis thaliana putative multidrug resistance protein	948	45.723
3786	AB001636	Homo sapiens ATP-dependent RNA helicase #46	480	36.134
3787	U63839	Rattus norvegicus nucleoporin p58	701	94.017
3788	U75329	Homo sapiens serine protease	782	39.441
3789	AF127389	Rattus norvegicus putative taste receptor TR1	1201	43.715
3790	X80038	Homo sapiens Polio virus receptor protein	2979	99.560
3791	AF143003	Perca flavescens lysyl oxidase related protein homolog	1350	58.610
3792	S44213	Saccharomyces cerevisiae, Peptide, 323 aa YKL522=mitochondrial ADP/ATP carrier protein homolog	479	35.918
3793	AB018342	Homo sapiens KIAA0799 protein	4494	97.899
3794	Z29371	Oryctolagus cuniculus adenylyl cyclase type V	1178	100.000
3795	AF004715	Homo sapiens jerky gene product homolog	964	56.154
3796	AJ001403	Homo sapiens MUC5AC protein	7672	98.885
3797	X52875	Mus musculus Prx2	1371	88.845
3798	AF071172	Homo sapiens HERC2	533	32.626
3799	X75342	Homo sapiens Shb	3266	98.780
3800	M94362	Homo sapiens lamin B2	3268	99.806
3801	X67155	Homo sapiens mitotic kinase-like protein-1	4488	98.875
3802	AF132972	Homo sapiens CGI-38 protein	694	62.424
3803	U29156	Mus musculus involved in signaling by the epidermal growth factor receptor; Method: conceptual translation supplied by author	566	63.399
3804	AB011104	Homo sapiens KIAA0532 protein	10989	99.939
3805	AF088916	Homo sapiens emilin precursor	6793	99.902
3806	L41834	Ensis minor nuclear protein	466	31.944
3807	AF118889	Rattus norvegicus b-tomosyn isoform	2613	94.601
3808	L14009	Drosophila melanogaster zinc finger protein	294	39.655
3809	D38538	Anthocidaris crassispina dynein intermediate chain 2	320	61.250
3810	D79994	Homo sapiens similar to ankyrin of Chromatium vinosum.	352	54.918
3811	L04490	Homo sapiens NADH dehydrogenase (ubiquinone)	780	83.871
3812	M77003	Mus musculus glycerol-3-phosphate acyltransferase	1344	96.744
3813	U29501	Mus musculus Zfp67p	407	57.500
3814	AF055993	Homo sapiens mSin3A associated polypeptide p30	761	67.935
3815	AL080123	Homo sapiens hypothetical protein	828	60.317
3816	D80005	Homo sapiens KIAA0183	7297	99.906
3817	AL110490	Caenorhabditis elegans predicted using Genefinder	490	53.503
3818	L31840	Rattus norvegicus nuclear pore complex protein	3280	92.559

		NUP107		
3819	D86976	Homo sapiens similar to C.elegans protein (Z37093)	7679	99.914
3820	X97230	Homo sapiens NK receptor	2968	98.621
3821	U22376	Homo sapiens alternatively spliced product using exon 13A	78	30.769
3822	Z97184	Homo sapiens BING1	2519	100.000
3823	AF041835	Homo sapiens laminin gamma 3 chain precursor	11183	99.685
3824	AF030430	Mus musculus semaphorin VIa	170	30.769
3825	AB014516	Homo sapiens KIAA0616 protein	323	31.915
3826	AB028948	Homo sapiens KIAA1025 protein	7802	100.000
3827	D88750	Bacillus circulans beta-galactosidase	433	36.792
3828	D50918	Homo sapiens The KIAA0128 gene is related to cdc10.	880	98.601
3829	D90716	Escherichia coli Hypothetical 18.7 kd protein in rhlE-dinG/rarB intergenic region (F160).	703	99.115
3830	AB018254	Homo sapiens KIAA0711 protein	285	31.818
3831	AC004010	Homo sapiens similar to Leucine-rich transmembrane proteins; 44% similarity to U42767 (PID:g1736918)	3422	99.808
3832	D38538	Anthocidaris crassispina dynein intermediate chain 2	519	57.746
3833	D10355	Homo sapiens alanine aminotransferase	1410	67.230
3834	AF059611	Homo sapiens nuclear matrix protein NRP/B	1240	80.543
3835	D87467	Homo sapiens Similar to a C.elegans guanine nucleotide releasing factor homolog (S4 2368)	751	60.101
3836	AF022212	Homo sapiens Rho GTPase activating protein 6 isoform 2	4372	98.671
3837	AF135491	Mus musculus neuronal apoptosis inhibitory protein	364	23.143
3838	AF089897	Homo sapiens topoisomerase-related function protein	701	72.414
3839	AC006951	Arabidopsis thaliana putative 3-oxoacyl carrier protein synthase II	1115	54.655
3840	AF104260	Homo sapiens hiwi	325	75.439
3841	X90849	Gallus gallus polybromo 1 protein	890	84.967
3842	AF045022	Bos taurus phosphatidic acid-preferring phospholipase A1	2411	91.847
3843	AC007661	Arabidopsis thaliana hypothetical protein	344	36.548
3844	AL080062	Homo sapiens hypothetical protein	2022	99.653
3845	D83536	Escherichia coli Acyl--UDP-n-acetylglucosamine o-acyltransferase (EC 2.3.1.129)	570	98.901
3846	AF115509	Homo sapiens LRR FLI-I interacting protein 2	2569	97.092
3847	S58722	Homo sapiens X-linked retinopathy protein {C-terminal, clone XEH.8c}	261	80.000
3848	Z81143	Caenorhabditis elegans cDNA EST yk481g5.5 comes from this gene; cDNA EST yk508e4.3 comes from this gene	187	24.766
3849	AF181623	Drosophila melanogaster BcDNA.GH02974	494	43.655
3850	AF152097	Homo sapiens CGI-05 protein	3615	100.000
3851	AB018274	Homo sapiens KIAA0731 protein	7511	99.545
3852	X05472	Rattus norvegicus ORF 3	173	50.000
3853	D29954	Homo sapiens KIAA0056	9851	99.535
3854	AF126484	Homo sapiens CARD4	809	71.090
3855	AF151824	Homo sapiens CGI-66 protein	1228	81.304
3856	Z38102	Homo sapiens interleukin-11 receptor	197	87.500
3857	AF061346	Mus musculus Edp1 protein	195	59.091
3858	U58658	Homo sapiens unknown	291	51.546
3859	U70932	Peromyscus leucopus reverse transcriptase	150	43.137

3905	AL031174	Schizosaccharomyces pombe hypothetical protein	1088	40.222
3906	AC004925	Homo sapiens supported by human ESTs H23395 (NID:g892090) and AA126363 (NID:g1687976), mouse ESTs W83982 (NID:g1394952) and AA717633 (NID:g2729907), and Genscan	2042	98.697
3907	AF133124	Homo sapiens transcription factor IIIC63	2190	94.334
3908	AF074086	Homo sapiens envelope	781	53.266
3909	AF035285	Homo sapiens dihydroxyacetone phosphate acyltransferase	177	53.968
3910	AB018272	Homo sapiens KIAA0729 protein	1517	79.193
3911	AC008075	Arabidopsis thaliana F24J5.4	155	35.922
3912	U38904	Homo sapiens zinc finger protein C2H2-25	1179	61.905
3913	AF049099	Mus musculus SPAF	851	40.223
3914	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	340	64.865
3915	AL033125	Unknown 1-evidence=predicted by content; 1-method=genefinder;084; 1-evidence_end; 2-evidence=pred	245	29.907
3916	AJ002474	Rattus norvegicus Testis-specific A-kinase-anchoring-protein	244	26.106
3917	AB003503	Mus musculus Guanine Nucleotide Regulatory Protein	2849	95.730
3918	AF060539	Mus musculus channel interacting PDZ domain protein	710	82.014
3919	AF016427	Caenorhabditis elegans Contains similarity to Pfam domain: PF00004 (AAA), Score=268.1, E-value=3.7e-77, N=1	845	60.000
3920	Z30320	Plasmodium falciparum liver stage antigen-1	41	31.250
3921	AB009698	Homo sapiens hOAT1-2	168	51.786
3922	AF136234	Lytechinus variegatus microtubule-associated protein	482	35.371
3923	AF131833	Homo sapiens Unknown	312	69.014
3924	AF006064	Fowlpox virus protein kinase homolog	268	40.566
3925	M12140	Homo sapiens envelope protein	638	66.906
3926	AL022724	Homo sapiens dJ413H6.1.1 (hamster Androgen-dependent Expressed Protein LIKE PUTATIVE protein) (isoform 1)	346	74.324
3927	AJ007798	Homo sapiens nuclear protein SA3	1098	92.090
3928	AF127374	Streptomyces lavendulae unknown	715	33.125
3929	Y15908	Homo sapiens DIA-12C protein	918	96.622
3930	M74824	Drosophila melanogaster D-E-A-D box protein	510	38.768
3931	A00279	synthetic construct Human serum albumin	519	67.857
3932	X78933	Homo sapiens zinc finger protein	1703	64.571
3933	AL117557	Homo sapiens hypothetical protein	628	64.671
3934	AF077040	Homo sapiens SIH003	167	92.308
3935	AF038963	Homo sapiens RNA helicase	564	32.749
3936	AB014579	Homo sapiens KIAA0679 protein	232	78.571
3937	AJ010045	Mus musculus guanine nucleotide-exchange factor	703	49.351
3938	AJ005021	Styela plicata intermediate filament protein IFB	188	25.294
3939	S48220	Homo sapiens type I 5' iodothyronine deiodinase, 5' DI	1696	99.593
3940	U89984	Acanthamoeba castellanii transformation-sensitive protein homolog	324	28.631
3941	U22376	Homo sapiens alternatively spliced product using exon 13A	402	64.948
3942	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	315	58.621
3943	M93018	Rattus norvegicus , gene product	3698	95.805
3944	AL032657	Unknown predicted using Genefinder; similar to DnaJ domain ; Thioredoxin; cDNA EST yk433f3.5	943	35.279

		come		
3945	U40411	Caenorhabditis elegans Similar to ubiquitin-conjugating enzyme.	254	41.837
3946	AF070572	Homo sapiens unknown	745	35.980
3947	X68314	Homo sapiens glutathione peroxidase-GI	1295	100.000
3948	J04801	Homo sapiens open reading frame A	321	86.207
3949	M77836	Homo sapiens pyrroline-5-carboxylate reductase	285	42.400
3950	AP000060	Aeropyrum pernix 143aa long hypothetical protein	169	37.681
3951	U12762	Caenorhabditis elegans prolyl 4-hydroxylase alpha subunit	249	52.239
3952	AB018274	Homo sapiens KIAA0731 protein	850	65.000
3953	AC005396	Arabidopsis thaliana putative proline-rich cell wall protein	174	31.677
3954	U24657	Myxococcus xanthus putative O-methyltransferase	371	39.205
3955	U13876	Caenorhabditis elegans similar to 4-hydroxybenzoate octaprenyltransferase	588	43.882
3956	Z37139	Unknown similar to guanine nucleotide binding protein; cDNA EST EMBL:T00917 comes from this gene; c	514	64.865
3957	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	393	61.856
3958	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	338	56.383
3959	U56966	Caenorhabditis elegans coded for by C. elegans cDNA yk30b3.5; coded for by C. elegans cDNA yk30b3.3	844	40.116
3960	Y14999	Drosophila melanogaster Bip2 protein	325	53.425
3961	M89471	gallid herpesvirus 1 MDV Eco Q protein	176	26.531
3962	U22376	Homo sapiens alternatively spliced product using exon 13A	379	60.825
3963	AC004997	Homo sapiens match to ESTs Z43979 (NID:g573097), R19699 (NID:g774333), T59198 (NID:g661035), and AA027979 (NID:g1494038)	447	60.550
3964	L24907	Rattus norvegicus protein kinase I	311	63.636
3965	M97204	Drosophila melanogaster goliath protein	368	54.000
3966	U13644	Caenorhabditis elegans No definition line found	424	40.187
3967	AB023152	Homo sapiens KIAA0935 protein	4930	96.834
3968	AB020626	Homo sapiens KIAA0819 protein	294	50.000
3969	U22376	Homo sapiens alternatively spliced product using exon 13A	397	70.930
3970	D16593	Homo sapiens hippocalcin	190	68.750
3971	AB015630	Homo sapiens type II membrane protein	496	44.172
3972	X75342	Homo sapiens Shb	575	51.691
3973	U28993	Caenorhabditis elegans F22D3.2 gene product	256	26.244
3974	X64228	Homo sapiens putative oncogene	366	95.000
3975	L12351	Saccharomyces cerevisiae centromere/microtubule binding protein	154	59.524
3976	AF095737	Homo sapiens unknown	339	65.556
3977	Y09321	Homo sapiens TBP associated factor	352	96.491
3978	M12140	Homo sapiens envelope protein	1113	60.000
3979	AF132148	Drosophila melanogaster unknown	193	26.396
3980	AF010130	Mus musculus neuregulin-3	1435	78.397
3981	Z77660	Homo sapiens Similarity to Human enoyl-CoA hydratase (SW:ECHM_HUMAN); cDNA EST EMBL:T00611 comes from th	754	50.000
3982	AL117662	Homo sapiens hypothetical protein	182	59.016
3983	X81380	Sus scrofa unnamed protein product	580	85.556
3984	AF151886	Homo sapiens CGI-128 protein	284	86.275
3985	U39621	Gallus gallus type V collagen	597	35.404
3986	U22376	Homo sapiens alternatively spliced product	294	59.770

		using exon 13A		
3987	X61047	Hydra sp. mini-collagen	204	41.121
3988	AF003386	Caenorhabditis elegans No definition line found	236	24.242
3989	M80633	Rattus norvegicus adenylyl cyclase type IV	1363	92.478
3990	AF072508	Homo sapiens envelope protein	221	49.333
3991	AC004523	Homo sapiens F22329 1	1074	69.758
3992	AJ131243	Columba livia 5'-nucleotidase	382	71.084
3993	D38112	Homo sapiens cytochrome c oxidase subunit 3	1577	93.333
3994	AF125175	Homo sapiens angiopoietin-related protein-2	418	62.366
3995	S80119	Rattus sp. reverse transcriptase homolog	345	31.937
3996	AB023186	Homo sapiens KIAA0969 protein	268	44.231
3997	AF047695	Homo sapiens cap-binding protein 4EHP	338	30.890
3998	AF004161	Oryctolagus cuniculus peroxisomal Ca-dependent solute carrier	238	48.780
3999	U72973	Sus scrofa calcium/calmodulin-dependent protein kinase II isoform gamma-G	613	66.447
4000	U23450	Caenorhabditis elegans No definition line found	252	28.994
4001	Z95584	Mycobacterium tuberculosis hypothetical protein Rv1158c	143	35.294
4002	U50929	Homo sapiens betaine:homocysteine methyltransferase	1061	76.166
4003	U22376	Homo sapiens alternatively spliced product using exon 13A	270	49.020
4004	U76846	Arabidopsis thaliana ubiquitin-specific protease	215	30.168
4005	M32865	Homo sapiens Ku protein subunit	221	85.366
4006	AJ235270	Rickettsia prowazekii PROBABLE OXYGEN-INDEPENDENT COPROPORPHYRINOGEN III OXIDASE (hemN)	709	34.188
4007	AB029022	Homo sapiens KIAA1099 protein	2590	75.940
4008	AB023210	Homo sapiens KIAA0993 protein	166	35.135
4009	Y13367	Homo sapiens phosphoinositide 3-kinase	667	79.310
4010	U83115	Homo sapiens non-lens beta gamma-crystallin like protein	479	38.587
4011	U22376	Homo sapiens alternatively spliced product using exon 13A	296	61.842
4012	Z75331	Homo sapiens nuclear protein SA-2	563	69.065
4013	U60553	Homo sapiens carboxylesterase hCE-2	254	81.250
4014	L29457	Mus musculus dynamin	247	47.312
4015	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	371	70.667
4016	AL050321	Homo sapiens dJ717M23.1 (novel gene)	2757	94.533
4017	M18247	Feline leukemia virus gag-pol precursor polyprotein gPr80	394	31.780
4018	AE001691	Thermotoga maritima conserved hypothetical protein	189	33.333
4019	U22376	Homo sapiens alternatively spliced product using exon 13A	423	59.167
4020	Z97200	Homo sapiens dJ79C4.1.2 (Homeobox protein PMX-1 (PHOX1) isoform 2)	68	34.783
4021	S70011	Rattus sp. tricarboxylate carrier	2110	92.711
4022	Z37525	Xenopus laevis XDCoH	251	65.385
4023	X92485	Plasmodium vivax pval	232	58.929
4024	M19651	Rattus norvegicus fos-related antigen	137	33.684
4025	AJ010071	Homo sapiens TOM1-like protein	902	94.702
4026	AB020676	Homo sapiens KIAA0869 protein	478	46.707
4027	Y17833	Human endogenous retrovirus K env protein	417	47.863
4028	U15174	Homo sapiens BCL2/adenovirus E1B 19kD-interacting protein 3	239	66.667
4029	AF132150	Drosophila melanogaster unknown	445	44.828

4030	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	358	63.158
4031	AF056116	Fugu rubripes unknown	955	70.732
4032	U22376	Homo sapiens alternatively spliced product using exon 13A	280	50.000
4033	K03036	Mus musculus alpha-1 type I procollagen	166	32.895
4034	X01068	Bombyx mori Hc-B chorion protein	282	63.077
4035	X71973	Homo sapiens phospholipid hydroperoxide glutathione peroxidase	1382	100.000
4036	V00662	Homo sapiens ATPase 6	1039	92.473
4037	AC005546	Homo sapiens R29425 1	2208	89.973
4038	X13459	Mus sp. laminin C-terminal fragment	921	65.581
4039	AF049588	Canis familiaris synapsin I	188	30.288
4040	AF027956	Homo sapiens G protein-coupled receptor	320	25.132
4041	AJ133120	Rattus norvegicus Proline rich synapse associated protein 2	847	93.382
4042	AL110226	Homo sapiens hypothetical protein	535	31.694
4043	AP000061	Aeropyrum pernix 235aa long hypothetical protein	170	30.337
4044	AF007826	Homo sapiens bax epsilon	165	50.000
4045	AF100426	Streptococcus parasanguinis fimbriae-associated protein Fap1	164	26.667
4046	Z82268	Unknown predicted using Genefinder; similar to CUTICLE COLLAGEN 34; cDNA EST EMBL:D65629 comes from	211	33.775
4047	AL049946	Homo sapiens hypothetical protein	1937	46.597
4048	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	364	64.198
4049	AJ001701	Homo sapiens deoxyhypusine synthase	488	81.720
4050	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	213	63.636
4051	X74370	Homo sapiens mucin	167	29.762
4052	D87908	Mus musculus nuclear protein np95	703	64.458
4053	X92485	Plasmodium vivax pval	230	47.826
4054	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	323	67.089
4055	Z71264	Caenorhabditis elegans similar to C2 domain	61	22.642
4056	AF108843	Homo sapiens env protein	348	72.727
4057	U22376	Homo sapiens alternatively spliced product using exon 13A	467	73.196
4058	M74055	Homo sapiens thromboxane synthase	203	82.051
4059	AL050382	Homo sapiens hypothetical protein	225	34.694
4060	AF132883	Caenorhabditis elegans UNC-52/Perlecan	384	32.240
4061	AB007930	Homo sapiens KIAA0461 peroteine	393	22.981
4062	Z35602	Caenorhabditis elegans similar to monoamine oxidase; cDNA EST EMBL:T01957 comes from this gene; cDNA EST yk324d6.3 comes from this gene; cDNA EST yk348h2.3 comes from this gene	528	38.168
4063	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	342	66.234
4064	X92485	Plasmodium vivax pval	140	63.889
4065	X92485	Plasmodium vivax pval	171	37.079
4066	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	141	50.000
4067	AB029018	Homo sapiens KIAA1095 protein	867	59.641
4068	AF145690	Drosophila melanogaster BcDNA.LD28657	1142	46.036
4069	M34551	Homo sapiens 52-kD Ro/SSA ribonucleoprotein	716	34.574
4070	X78928	Homo sapiens zinc finger protein	183	34.694
4071	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	347	64.000
4072	AC005396	Arabidopsis thaliana putative proline-rich cell wall protein	174	28.571
4073	D87515	Rattus norvegicus aminopeptidase-B	1786	49.130
4074	AF015264	Rattus norvegicus golgi peripheral membrane protein p65	1576	72.997
4075	X58438	Mus musculus proline rich protein	231	31.333

4076	S67247	Homo sapiens smooth muscle myosin heavy chain isoform SMemb	197	38.554
4077	U22376	Homo sapiens alternatively spliced product using exon 13A	364	67.442
4078	AJ243460	Leishmania major proteophosphoglycan	189	31.278
4079	AJ248288	Pyrococcus abyssi hypothetical protein	378	39.394
4080	AJ388557	Canis familiaris zinc finger protein	1058	55.311
4081	AF041082	Rattus norvegicus transmembrane receptor Robo1	194	34.286
4082	AF181646	Drosophila melanogaster BcDNA.GH12326	300	31.847
4083	L36315	Mus musculus zinc finger protein	2474	89.367
4084	D70831	Homo sapiens Zinc-finger protein	1303	58.657
4085	AF083110	Homo sapiens sirtuin type 5	261	93.182
4086	AF072508	Homo sapiens envelope protein	370	79.221
4087	M38257	Escherichia coli ORF 235	696	99.057
4088	X05173	Escherichia coli NR(I) (glnG gene product) (AA 1-468)	995	98.065
4089	U88169	Caenorhabditis elegans similar to molybdoterin biosynthesis MOEB proteins	922	57.874
4090	AF105228	Bos taurus tuftelin	355	31.308
4091	AF169635	Sus scrofa Niemann-Pick C disease protein	478	59.167
4092	Z46793	Caenorhabditis elegans cDNA EST EMBL:D75782 comes from this gene; cDNA EST EMBL:D72838 comes from this gene; cDNA EST yk504a5.3 comes from this gene	244	23.858
4093	J03137	Bos taurus phospholipase C	7783	97.366
4094	AF146277	Homo sapiens adapter protein CMS	3820	100.000
4095	U09367	Homo sapiens zinc finger protein ZNF136	965	42.756
4096	D90907	Synechocystis sp. isoleucyl-tRNA synthetase	965	40.189
4097	U10435	Mus musculus Requiem	432	33.645
4098	X80111	Drosophila melanogaster synapse-associated protein	468	39.556
4099	AL032626	Caenorhabditis elegans predicted using Genefinder	735	51.031
4100	AF081258	Homo sapiens testis-specific chromodomain Y-like protein	3952	100.000
4101	D63877	Homo sapiens KIAA0157 gene product is novel.	2756	99.523
4102	AF116547	Homo sapiens cysteine sulfinic acid decarboxylase-related protein 3	3299	99.797
4103	AL031515	Streptomyces coelicolor hypothetical protein SC5C7.08	377	46.721
4104	Y10388	Homo sapiens Graf protein	293	41.667
4105	D61689	Mus musculus SOX-LZ	1146	96.591
4106	AL035424	Homo sapiens dA22D12.1 (novel protein similar to Drosophila Kelch (Ring Canal protein, KEL) and a heterogenous set of other types of proteins)	2002	75.956
4107	AL035652	Homo sapiens dJ1J6.1 (topoisomerase (DNA) I)	179	100.000
4108	Z92770	Mycobacterium tuberculosis fadE2	267	56.627
4109	AL035524	Arabidopsis thaliana putative protein	498	50.993
4110	X01630	Homo sapiens argininosuccinate synthetase (aa 1-412)	151	100.000
4111	L24920	Pan troglodytes complement receptor 1	987	28.800
4112	AC002126	Homo sapiens R31240 1	655	100.000
4113	AL033377	Homo sapiens dJ287G14.2 (PUTATIVE novel seven transmembrane domain protein)	3224	100.000
4114	AB006533	Homo sapiens DNA helicase	553	77.477
4115	AF087697	Rattus norvegicus dlq 3	283	43.697
4116	AL021917	Homo sapiens dJ45P21.2 (butyrophilin)	613	98.889
4117	AF113136	Homo sapiens IL-1 receptor-associated-kinase-M;	2084	100.000

		IRAK-M		
4118	AB023207	Homo sapiens KIAA0990 protein	533	37.968
4119	X58374	Drosophila melanogaster crn	2515	66.415
4120	Y08302	Homo sapiens mitogen-activated protein kinase phosphatase 4	1182	100.000
4121	AL031667	Homo sapiens dJ620E11.1a (novel Helicase C-terminal domain and SNF2 N-terminal domains containing protein, similar to KIAA0308)	4841	100.000
4122	AB011121	Homo sapiens KIAA0549 protein	3094	99.787
4123	AF155115	Homo sapiens NY-REN-58 antigen	172	100.000
4124	AP000005	Pyrococcus horikoshii 149aa long hypothetical methylmalonyl-CoA decarboxylase gamma chain	225	38.554
4125	L48516	Homo sapiens paraoxonase-3	2210	98.534
4126	AC007292	Homo sapiens R31167 1, partial protein	2907	99.302
4127	D90746	Escherichia coli SocA3 protein	647	100.000
4128	AC005594	Homo sapiens R26984 1	608	100.000
4129	AF143536	Homo sapiens colon cancer-associated protein Mic1	3880	97.537
4130	U49082	Homo sapiens transporter protein	635	62.179
4131	AB018275	Homo sapiens KIAA0732 protein	5592	100.000
4132	M34059	Homo sapiens beta-globin	236	80.488
4133	D13637	Homo sapiens KIAA0012	267	34.307
4134	U90126	Bos taurus ABC transporter	468	60.870
4135	S61069	Homo sapiens reverse transcriptase homolog=pol {retroviral element}	271	75.806
4136	X66899	Homo sapiens RNA binding protein	440	100.000
4137	M34458	Homo sapiens lamin B	203	91.667
4138	J03998	Plasmodium falciparum glutamic acid-rich protein	153	30.645
4139	AE001394	Plasmodium falciparum predicted integral membrane protein	78	62.500
4140	AF036548	Rattus norvegicus RGC-32	683	91.304
4141	AF000423	Rattus norvegicus synaptotagmin XI	845	99.219
4142	X53773	Rattus norvegicus alpha-c large chain (AA 1-938)	1831	68.974
4143	A68194	unidentified unnamed protein product	4024	100.000
4144	AB011174	Homo sapiens KIAA0602 protein	6402	99.896
4145	AF035526	Mus musculus kanadapitin	2540	79.716
4146	AF023657	Rattus norvegicus endo-alpha-D-mannosidase	1590	68.285
4147	U62587	Cricetulus griseus beta-1,6-N-acetylglucosaminyltransferase	225	56.863
4148	AL049557	Homo sapiens dJ773A18.2 (PROBABLE ATP-DEPENDENT RNA HELICASE P47 HOMOLOG)	5454	99.879
4149	AF034745	Mus musculus LNXp80	2793	88.486
4150	AB020689	Homo sapiens KIAA0882 protein	6096	100.000
4151	L15313	Caenorhabditis elegans putative	743	70.667
4152	AF152311	Homo sapiens protocadherin alpha 3	6162	99.368
4153	U88908	Mus musculus inhibitor of apoptosis protein 1	223	41.667
4154	D13626	Homo sapiens KIAA0001	865	49.807
4155	X94912	Homo sapiens Pr22	252	92.857
4156	AF125568	Homo sapiens tumor suppressing STF cDNA 4	2239	99.392
4157	AL110239	Homo sapiens hypothetical protein	247	97.436
4158	U02082	Homo sapiens guanine nucleotide regulatory protein	822	43.910
4159	Z66496	Unknown cDNA EST EMBL:D71941 comes from this gene; cDNA EST EMBL:D74691 comes from this gene; cDNA	240	28.387
4160	Z48615	Homo sapiens serine/threonine kinase with SH3 domain, leucine zipper domain and proline rich	275	43.846

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		binding protein-1		
4205	AF005355	Oryctolagus cuniculus translation initiation factor eIF2C	3537	99.809
4206	AC002131	Arabidopsis thaliana Similar to seryl-tRNA synthetase gb U10400 from S cerevisiae. EST gb N96627 comes from this gene.	374	49.573
4207	AL080088	Homo sapiens hypothetical protein	1464	99.533
4208	AL031427	Homo sapiens dJ167A19.4 (novel protein)	146	92.000
4209	L10326	Rattus norvegicus GTP-binding protein alpha-s subunit	154	100.000
4210	AB028944	Homo sapiens KIAA1021 protein	5116	99.742
4211	Z50194	Homo sapiens PQ-rich protein	208	52.174
4212	AC006042	Homo sapiens supported by human ESTs AI681256.1 (NID:g4891438), N32168.1 (NID:g1152567), and genscan	1016	100.000
4213	X67337	Homo sapiens Human pre-mRNA cleavage factor I 68 kDa subunit	370	65.169
4214	AF034803	Homo sapiens liprin-beta2	581	95.604
4215	U22376	Homo sapiens alternatively spliced product using exon 13A	264	77.358
4216	AF117758	Homo sapiens secreted frizzled-related protein 5	2253	100.000
4217	AF096300	Homo sapiens HPK/GCK-like kinase HGK	1707	92.958
4218	AF043250	Homo sapiens mitochondrial outer membrane protein	1319	64.561
4219	Z81505	Unknown similar to Zinc finger, C3HC4 type (RING finger); cDNA EST EMBL:D28025 comes from this gene	1156	57.045
4220	L04656	Homo sapiens carbonic anhydrase-related protein VIII	220	94.118
4221	AC004084	Homo sapiens similar to GTPase-activating proteins; 35% similar to JC5047 (PID:g2136083)	1268	81.200
4222	A01573	synthetic construct cystatin C	314	92.000
4223	AB014579	Homo sapiens KIAA0679 protein	1735	98.872
4224	AF087433	Rattus norvegicus leprecan	3317	92.075
4225	AL034488	Caenorhabditis elegans predicted using Genefinder; cDNA EST EMBL:C08771 comes from this gene; cDNA EST EMBL:C07412 comes from this gene	400	47.015
4226	X99583	Homo sapiens CHL1 protein	229	67.308
4227	AJ007583	Homo sapiens acetylglucosaminyltransferase-like protein	1044	67.757
4228	AF132552	Drosophila melanogaster BcDNA.GM01838	1600	65.395
4229	L05779	Homo sapiens cytosolic epoxide hydrolase	159	100.000
4230	X97818	Mus musculus samaphorin G	188	96.296
4231	U38252	Mus musculus fractionated X-irradiation-induced 29 thymoma	469	97.333
4232	X74794	Homo sapiens P1 Cdc21 protein	5616	99.770
4233	X98259	Homo sapiens M-phase phosphoprotein 8	454	100.000
4234	D83043	Homo sapiens allele A*2711	312	90.000
4235	AL080150	Homo sapiens hypothetical protein	5789	99.542
4236	AC004594	Homo sapiens Ca2+ dependent activator protein for secretion; similar to D86214 (NID:g1398903)	2026	98.418
4237	AF117897	Bos taurus rab11 binding protein	278	88.000
4238	D31888	Homo sapiens KIAA0071	410	67.347
4239	AF160934	Drosophila melanogaster BcDNA.LD14189	204	64.286
4240	Z75330	Homo sapiens nuclear protein SA-1	3665	99.819
4241	AB007918	Homo sapiens KIAA0449 protein	745	69.565
4242	AB030644	Rattus norvegicus tudor repeat associator with	3647	89.474

		PCTAIRE 2		
4243	AB030502	Xenopus laevis XDRP1	435	72.000
4244	Z24725	Homo sapiens mitogen inducible gene mig-2	1993	52.783
4245	Z67961	Schizosaccharomyces pombe hypothetical protein	440	33.188
4246	AB002326	Homo sapiens KIAA0328	11013	100.000
4247	M63180	Homo sapiens threonyl-tRNA synthetase	1846	59.111
4248	AF093097	Homo sapiens putative RNA-binding protein Q99	264	90.476
4249	AL080158	Homo sapiens hypothetical protein	801	35.698
4250	U23502	Plasmodium chabaudi chabaudi POM1	487	46.012
4251	Y17392	Homo sapiens prefoldin subunit 1	705	98.291
4252	Z69634	Unknown cDNA EST EMBL:C11678 comes from this gene; cDNA EST EMBL:C13926 comes from this gene; cDNA	704	34.375
4253	U22387	Homo sapiens immunoglobulin heavy chain	198	64.583
4254	AL050163	Homo sapiens hypothetical protein	735	100.000
4255	AB007945	Homo sapiens KIAA0476 protein	9511	99.711
4256	Z37166	Homo sapiens nuclear RNA helicase (DEAD family)	1864	100.000
4257	X06764	Homo sapiens Ig(k) L-chain precursor	696	84.328
4258	AF048731	Homo sapiens cyclin T2a	4386	100.000
4259	M28732	Mus musculus beta-tubulin	281	66.154
4260	Y10392	Human endogenous retrovirus K protease	452	49.206
4261	AC003682	Homo sapiens R27945 2	1686	100.000
4262	AF044033	Marmota marmota olfactory receptor	267	92.857
4263	L07924	Mus musculus guanine nucleotide dissociation stimulator	3514	84.968
4264	X75931	Bos taurus Cleavage and Polyadenylation specificity factor (CPSF) 100kD subunit	1686	99.222
4265	AC006264	Arabidopsis thaliana unknown protein	278	41.573
4266	X84101	Streptomyces clavuligerus Proclavaminic acid amidino hydrolase	631	38.340
4267	AF108420	Fugu rubripes 1-aminocyclopropane-carboxilate synthase	1001	59.149
4268	AC009325	Arabidopsis thaliana putative phosphate/phosphoenolpyruvate translocator	197	38.571
4269	Z74201	Saccharomyces cerevisiae ORF YDL153c	215	30.380
4270	AL110193	Homo sapiens hypothetical protein	2638	99.229
4271	AF187318	Homo sapiens F-box protein Fbx2	444	55.263
4272	Z77655	Caenorhabditis elegans predicted using Genefinder; similar to EF hand (2 domains)	644	34.184
4273	AF124511	Gallus gallus BVES	339	36.757
4274	AF056035	Rattus norvegicus s-nexilin	3148	85.841
4275	AJ005621	Mus musculus skeletal and cardiac muscle-specific gene	1791	95.139
4276	X58288	Homo sapiens protein-tyrosine phosphatase	4182	99.836
4277	M74495	Mus musculus adenylosuccinate synthetase	1924	92.233
4278	M26460	Homo sapiens retinoblastoma 1	155	36.667
4279	M83679	Rattus norvegicus RAB15	368	96.491
4280	AL021106	Unknown /prediction=(method:""genscan"", version:""1.0"", score:""113.71""); /prediction=(method:	747	50.215
4281	X05806	Acetabularia mediterranea put. ORF	189	71.429
4282	AB007900	Homo sapiens HH0452 cDNA clone for KIAA0440 has a 438-bp insertion at position 1711 of the sequence of KIAA0440.	774	40.389
4283	M95762	Rattus norvegicus GABA transporter	507	81.395
4284	Z99118	Bacillus subtilis aspartyl-tRNA synthetase	1374	43.667
4285	U04301	Oryctolagus cuniculus mannosyl-oligosaccharide alpha-1,2-mannosidase	1749	67.385
4286	M55176	Rhizomucor racemosus MRAS2 gene product	207	32.990

4287	Z70310	Caenorhabditis elegans similar to Glutathione S-transferases.; cDNA EST yk536e7.3 comes from this gene	763	44.565
4288	AB020676	Homo sapiens KIAA0869 protein	814	42.338
4289	AJ006054	Homo sapiens UDP glucuronosyltransferase	345	76.923
4290	U80223	Drosophila melanogaster eukaryotic initiation factor eIF-2 alpha kinase; DGCN2	783	29.412
4291	Z34286	Oryctolagus cuniculus ORF might extend further in 5'-direction	432	39.205
4292	AB007925	Homo sapiens KIAA0456 protein	235	45.122
4293	AF095150	Homo sapiens protein O-mannosyl-transferase 1	2731	100.000
4294	D87433	Homo sapiens KIAA0246	727	38.323
4295	D86984	Homo sapiens similar to yeast adenylate cyclase (S56776)	1377	51.768
4296	AF151811	Homo sapiens CGI-53 protein	2164	99.096
4297	AB011399	Homo sapiens AF-6	515	100.000
4298	AL080123	Homo sapiens hypothetical protein	4248	99.832
4299	AF134726	Homo sapiens NG22	2967	97.821
4300	AB011084	Homo sapiens KIAA0512 protein	347	30.342
4301	AF092094	Homo sapiens AP-4 adaptor complex beta4 subunit	3564	99.441
4302	L14745	Caenorhabditis elegans homology with GTP binding protein; putative	546	51.592
4303	AF078832	Homo sapiens methyl-CpG binding protein splice variant 3	3931	100.000
4304	AF132484	Mus musculus unknown	523	51.266
4305	AL050393	Homo sapiens hypothetical protein	420	51.261
4306	D88158	Sus scrofa cytochrome b561	433	50.350
4307	D86964	Homo sapiens similar to a human major CRK-binding protein DOCK180.	12180	100.000
4308	AL110151	Homo sapiens hypothetical protein	2418	99.721
4309	AF140690	Homo sapiens melusin	307	47.778
4310	AC002396	Arabidopsis thaliana Hypothetical protein	1347	51.157
4311	AF068718	Caenorhabditis elegans No definition line found	514	32.394
4312	AB023157	Homo sapiens KIAA0940 protein	1944	91.391
4313	AF059569	Homo sapiens actin binding protein MAYVEN	404	28.421
4314	AB028981	Homo sapiens KIAA1058 protein	1609	68.946
4315	AF133123	Homo sapiens transcription factor IIC102	4090	100.000
4316	X78927	Homo sapiens zinc finger protein	3146	99.307
4317	AF028722	Mus musculus fetal globin inducing factor	490	83.908
4318	M55542	Homo sapiens guanylate binding protein isoform I	1774	64.678
4319	AB029015	Homo sapiens KIAA1092 protein	7731	100.000
4320	AB014548	Homo sapiens KIAA0648 protein	5548	100.000
4321	Z68753	Unknown predicted using Genefinder; Similarity to Glucose-repressible alcohol dehydrogenase transc	420	46.875
4322	U70855	Caenorhabditis elegans similar to the RAS gene family	552	35.039
4323	Y00649	Homo sapiens CR2 receptor	217	27.933
4324	D88315	Mus musculus tetracycline transporter-like protein	2647	98.768
4325	Z68215	Caenorhabditis elegans C53B4.4c	156	24.370
4326	AJ009698	Rattus norvegicus embigin protein	535	80.392
4327	AB001488	Bacillus subtilis FUNCTION UNKNOWN.	182	36.364
4328	D63877	Homo sapiens KIAA0157 gene product is novel.	208	28.972
4329	M14949	Homo sapiens R-ras	1443	100.000
4330	D42041	Homo sapiens The hal225 gene product is related to human alpha-glucosidase.	6494	99.787
4331	AJ001015	Homo sapiens RAMP2	574	98.824

4332	AF186461	Rattus norvegicus ring finger protein Fxy	295	25.075
4333	AF064255	Homo sapiens very long-chain acyl-CoA synthetase homolog 2; VLCS-H2	1347	100.000
4334	AC004955	Homo sapiens supported by ESTs T61992 (NID:g665235) and W26450 (NID:g1307167) and Genscan	1096	100.000
4335	Z46676	Unknown weak similarity to microtubule associated proteins; cDNA EST EMBL:T01154 comes from this ge	443	35.514
4336	U40029	Caenorhabditis elegans No definition line found	1552	47.647
4337	AL032626	Unknown cDNA EST EMBL:D70654 comes from this gene; cDNA EST EMBL:Z14359 comes from this gene; cDN	957	48.000
4338	AC004883	Homo sapiens similar to KIAA0766; similar to PID:g3882253	1875	99.296
4339	X78998	Homo sapiens endosomal protein	372	24.702
4340	AF153208	Homo sapiens GC-rich sequence DNA-binding factor candidate	588	81.667
4341	U00050	Caenorhabditis elegans No definition line found	362	32.512
4342	Z81586	Caenorhabditis elegans cDNA EST yk335d8.5 comes from this gene; cDNA EST yk335d8.3 comes from this gene; cDNA EST yk656d4.3 comes from this gene	624	31.796
4343	AJ388555	Canis familiaris hypothetical protein	915	43.021
4344	U79776	Mus musculus ajuba; jub	431	82.090
4345	U20554	Drosophila melanogaster UDP-glucose:glycoprotein glucosyltransferase precursor	2134	67.550
4346	AB011097	Homo sapiens KIAA0525 protein	1360	44.270
4347	AF124512	Homo sapiens BVES	907	100.000
4348	A47122	unidentified unnamed protein product	1067	100.000
4349	AC006593	Arabidopsis thaliana putative transmembrane protein	490	30.350
4350	M23159	Cricetus cricetus DHFR-coamplified protein	496	85.542
4351	D87515	Rattus norvegicus aminopeptidase-B	2615	92.593
4352	AF090136	Rattus norvegicus lin-7-C	322	100.000
4353	D79998	Homo sapiens KIAA0176	511	70.370
4354	AF098993	Caenorhabditis elegans No definition line found	296	25.000
4355	AF087826	Mus musculus claudin-8	646	79.310
4356	AL023704	Schizosaccharomyces pombe weak similarity to B.subtilis spore outgrowth f actor B	1525	56.585
4357	AJ223301	Bos taurus aralkyl acyl-CoA:amino acid N-acyltransferase	694	38.806
4358	AC004908	Homo sapiens zinc finger protein from gene of uncertain exon structure; similar to Q99676 (PID:g3025333)	1961	100.000
4359	AF099032	Homo sapiens embryonic ectoderm development protein short isoform	173	96.154
4360	AF133670	Mus musculus ARL-6 interacting protein-2	620	96.939
4361	M98502	Mus musculus pMLZ-4	1035	59.535
4362	M97204	Drosophila melanogaster goliath protein	305	67.273
4363	U47924	Homo sapiens C9	905	100.000
4364	AL080144	Homo sapiens hypothetical protein	4653	99.866
4365	AJ222798	Lycopersicon esculentum tDET1 protein	277	37.607
4366	AF024497	Caenorhabditis elegans weak similarity to drosophila tyrosine kinase (GB:G455391)	333	29.515
4367	Z82083	Caenorhabditis elegans ZK1010.2	407	28.621
4368	AB020626	Homo sapiens KIAA0819 protein	330	40.972
4369	D26488	Homo sapiens This sequence is almost identical	4588	100.000

4453	U40800	Caenorhabditis elegans similar to thymidine diphosphoglucose 4,6-dehydratase	1647	67.341
4454	AL117233	Homo sapiens hypothetical protein	3180	99.792
4455	D17629	Homo sapiens GALNS	3665	100.000
4456	Z82053	Unknown predicted using Genefinder; similar to MUTT protein like; cDNA EST EMBL:C07418 comes from t	286	56.757
4457	U71205	Mus musculus rit	358	34.906
4458	AF112481	Homo sapiens RAD54B protein	2357	100.000
4459	Z81137	Unknown Similarity to Yeast YIP1 protein (SW:P53039); cDNA EST EMBL:T01608 comes from this gene; cD	643	50.256
4460	D83146	Mus musculus Six5	306	92.308
4461	AJ133768	Homo sapiens ZASP protein	3315	99.787
4462	Z99277	Caenorhabditis elegans cDNA EST CEMSA26F comes from this gene; cDNA EST yk575g11.3 comes from this gene	410	31.206
4463	AB020629	Homo sapiens KIAA0822 protein	1959	69.784
4464	AF074086	Homo sapiens envelope	1469	62.121
4465	Z83123	Caenorhabditis elegans predicted using Genefinder	300	37.956
4466	AB007828	Homo sapiens necdin	407	52.679
4467	AF101361	Drosophila melanogaster Abnormal X segregation	310	31.963
4468	AL021106	Unknown /prediction=(method:""genscan"", version:""1.0"""); /prediction=(method:""genefinder"", ve	228	29.114
4469	AC003672	Arabidopsis thaliana putative zinc finger protein	506	30.164
4470	D29766	Rattus norvegicus Crk-associated substrate, p130	3067	91.339
4471	X86779	Homo sapiens FAST kinase	162	27.119
4472	U20286	Rattus norvegicus lamina associated polypeptide 1C	1622	74.775
4473	M76720	Xenopus laevis egg-specific protein	149	35.185
4474	AL035086	Homo sapiens dJ44A20.2 (novel protein)	1717	100.000
4475	AF056116	Fugu rubripes unknown	1570	71.976
4476	Z29115	Unknown similar to RNA helicases, deleted exon 1397-1495 which introduced stop codon at 3' splice;	1917	64.027
4477	AF115435	Rattus norvegicus syntaxin 17	629	95.098
4478	AF025424	Rattus norvegicus RNA polymerase I 127 kDa subunit	1970	95.302
4479	Z54328	Schizosaccharomyces pombe hypothetical protein	289	34.266
4480	U15765	Rattus norvegicus nonmuscle myosin heavy chain-B	256	89.744
4481	AF003140	Caenorhabditis elegans No definition line found	432	31.229
4482	AJ224306	Arabidopsis thaliana PRT1	218	34.000
4483	AB002584	Rattus norvegicus beta-alanine-pyruvate aminotransferase	2102	85.515
4484	AL117204	Caenorhabditis elegans predicted using Genefinder	253	26.250
4485	Z11502	Homo sapiens intestine-specific annexin	1581	98.814
4486	AF111713	Homo sapiens junctional adhesion molecule	504	38.565
4487	AF151968	Gallus gallus RGS protein RGS-17	480	91.250
4488	Z69944	Schizosaccharomyces pombe hypothetical protein	490	28.615
4489	Z69637	Caenorhabditis elegans predicted using Genefinder; Similarity to E.coli hypothetical protein YCAC (SW:YCAC_ECOLI); cDNA EST yk555d12.3 comes from this gene	309	63.291

4490	279754	Caenorhabditis elegans Similarity to some phosphatases and kinases; cDNA EST EMBL:Z14643 comes from this gene; cDNA EST yk531b4.3 comes from this gene; cDNA EST yk642e5.3 comes from this gene	502	30.508
4491	L41816	Homo sapiens cam kinase I	1106	85.484
4492	AF120102	Homo sapiens calsenilin	630	80.531
4493	AL110300	Homo sapiens hypothetical protein	2338	98.352
4494	U28412	Caenorhabditis elegans similar to polyposis locus protein 1 (SP:DP1 HUMAN, Q00765)	362	51.429
4495	L12147	Mus musculus early B-cell factor	1671	99.609
4496	D86964	Homo sapiens similar to a human major CRK-binding protein DOCK180.	1450	99.563
4497	AB020690	Homo sapiens KIAA0883 protein	479	41.176
4498	AC004780	Homo sapiens F17127 1	2136	94.253
4499	AF057365	Canis familiaris UDP N-acetylglucosamine transporter	254	32.639
4500	AF099186	Mus musculus EH domain-containing protein EHD1	952	67.347
4501	U27838	Mus musculus glycosyl-phosphatidyl-inositol-anchored protein homolog	460	40.693
4502	AF128625	Homo sapiens CDC42-binding protein kinase beta	426	100.000
4503	X69489	Rattus norvegicus beta-chimaerin	290	34.711
4504	AB012933	Rattus norvegicus acyl-CoA synthetase 5	2880	78.571
4505	U53366	Oncorhynchus mykiss terminal deoxynucleotidyl transferase	550	51.099
4506	AF095741	Rattus norvegicus unknown	1198	58.123
4507	U83115	Homo sapiens non-lens beta gamma-crystallin like protein	10968	100.000
4508	U62906	Mus musculus zinc finger protein 94	1328	69.231
4509	AF109377	Mus musculus ldlBp	782	84.138
4510	AF151799	Homo sapiens CGI-40 protein	3487	95.963
4511	X16262	Rattus norvegicus myosin heavy chain 21 (AA 621)	199	24.437
4512	U43607	Mus musculus transcription factor-like protein 4 beta	1481	87.732
4513	AF135421	Homo sapiens GDP-mannose pyrophosphorylase B	2421	100.000
4514	AL031427	Homo sapiens dJ167A19.4 (novel protein)	146	92.000
4515	Z99129	Homo sapiens dJ425C14.2 (Placental protein DIFF33 LIKE)	884	52.893
4516	Y08135	Mus musculus acid sphingomyelinase-like phosphodiesterase	2365	81.995
4517	AL023286	Schizosaccharomyces pombe probable atp-dependent rna helicase	215	32.374
4518	AL031667	Homo sapiens dJ620E11.1e (novel Helicase C-terminal domain and SNF2 N-terminal domains containing protein, similar to KIAA0308)	1028	99.342
4519	D63850	Mus musculus hepatoma-derived growth factor	1444	74.441
4520	AC004523	Homo sapiens F22329 1	214	84.615
4521	M60706	Homo sapiens topoisomerase I	2869	68.243
4522	AF019236	Dictyostelium discoideum TipD	691	37.459
4523	Z75550	Unknown limited similarity with some myosins; cDNA EST EMBL:C08402 comes from this gene; cDNA EST E	192	28.125
4524	U22376	Homo sapiens alternatively spliced product using exon 13A	363	67.500
4525	L13977	Homo sapiens prolylcarboxypeptidase	453	37.297
4526	D78572	Mus musculus membrane glycoprotein	4177	81.630
4527	AC004883	Homo sapiens similar to KIAA0766; similar to PID:g3882253	386	27.046

4528	AB029005	Homo sapiens KIAA1082 protein	1769	52.795
4529	Z70307	Caenorhabditis elegans Similarity to B.subtilis tetracycline resistance protein (SW:TCR2_BACSU); cDNA EST EMBL:C09951 comes from this gene; cDNA EST EMBL:C08265 comes from this gene; cDNA EST yk619c11.3 comes from this gene	384	35.135
4530	Y16008	Mus musculus neuronal-STOP protein	914	57.692
4531	U80931	Caenorhabditis elegans strong similarity to class-III of pyridoxal-phosphate-dependent aminotransferases	1001	48.377
4532	AF039023	Homo sapiens Ran-GTP binding protein; RanBP6	1209	97.861
4533	AF051945	Mus musculus Xin	492	51.515
4534	AF005856	Drosophila yakuba anon2A5	499	34.454
4535	AF105374	Homo sapiens heparan sulfate D-glucosaminyl 3-O-sulfotransferase-2	2512	99.455
4536	AC004472	Homo sapiens Pl.11659 3	1465	75.078
4537	Z66519	Caenorhabditis elegans similar to phytoene synthase precursor; cDNA EST yk340f7.3 comes from this gene; cDNA EST yk340f7.5 comes from this gene; cDNA EST yk565e5.3 comes from this gene	351	30.769
4538	L12018	Caenorhabditis elegans putative	229	39.669
4539	Z78201	Unknown Similarity to E.coli 2-oxoglutarate dehydrogenase (SW:ODO1_ECOLI); cDNA EST EMBL:D32590 com	1681	52.665
4540	Y17833	Human endogenous retrovirus K pol protein	741	80.597
4541	AC003673	Arabidopsis thaliana unknown protein	383	27.596
4542	U20861	Caenorhabditis elegans similar to yeast antiviral protein SKI2 and ATP-dependent DNA-helicases	278	24.416
4543	Z69384	Caenorhabditis elegans Similarity to Salmonella regulatory protein UHPC (SW:UHPC SALTY)	345	54.023
4544	AC004890	Homo sapiens similar to zinc finger proteins; similar to AAC01956 (PID:g2843171)	2856	100.000
4545	AC005532	Homo sapiens supported by GENSCAN prediction and spliced EST; similar to Z35641 (PID:g3874821) and AI059600 (NID:g3333377)	1394	100.000
4546	M27508	Homo sapiens beta-galactosidase related protein precursor	966	49.379
4547	AB023176	Homo sapiens KIAA0959 protein	5305	99.026
4548	L17337	Caenorhabditis elegans coded for by C. elegans cDNAs GenBank:M88869 and T01933; putative	647	46.445
4549	AJ011523	Caenorhabditis elegans CHE-2 protein	532	37.811
4550	U53475	Rattus norvegicus GTPase Rab8b	245	97.436
4551	U74297	Oryctolagus cuniculus PiUS	218	96.774
4552	AL117434	Homo sapiens hypothetical protein	4171	99.685
4553	AL021492	Caenorhabditis elegans Y45F10D.11	518	33.158
4554	D14336	Mus musculus RNA polymerase I associated factor (PAF53)	1494	77.700
4555	AF040965	Homo sapiens unknown protein IT12	5694	99.771
4556	AC005053	Homo sapiens match to ESTs AA316181 (NID:g3165221), AA032221 (NID:g1502183), and AI167942 (NID:g3701112)	2522	100.000
4557	AF099742	Rattus norvegicus putative short-chain dehydrogenase/reductase	448	63.158
4558	U39648	Caenorhabditis elegans T13C5.6 gene product	497	51.250
4559	AL031027	Unknown /prediction=(method:""genefinder"", version:""084"", score:""67.72"");	754	56.614

		/prediction=(metho		
4560	AF132164	Drosophila melanogaster unknown	278	35.762
4561	AB020669	Homo sapiens KIAA0862 protein	200	36.585
4562	AL117430	Homo sapiens hypothetical protein	1227	100.000
4563	U21324	Caenorhabditis elegans No definition line found	166	48.936
4564	AF098633	Mus musculus GLUT4 vesicle protein	411	47.656
4565	AF053630	Homo sapiens monocyte/neutrophil elastase inhibitor	1490	100.000
4566	J05499	Rattus norvegicus L-glutamine amidohydrolase	462	92.208
4567	AF068749	Mus musculus sphingosine kinase	1716	81.908
4568	Z48804	Homo sapiens OA1	1258	100.000
4569	X85030	Homo sapiens calpain	1541	100.000
4570	AL079349	Arabidopsis thaliana putative protein	289	30.962
4571	AF155110	Homo sapiens NY-REN-45 antigen	5381	99.877
4572	AB002301	Homo sapiens KIAA0303	14352	99.953
4573	AC002400	Homo sapiens Acyl carrier protein, Mitochondrial (ACP) (5'partial)	1000	100.000
4574	U20554	Drosophila melanogaster UDP-glucose:glycoprotein glucosyltransferase precursor	2320	59.331
4575	S45663	Rattus sp. SC2=synaptic glycoprotein	722	50.538
4576	AB025411	Mus musculus Ten-m2	4766	98.476
4577	Z46381	Unknown Weak similarity with the Ysy6 protein (Yeast) (PIR accession number JQ0912); cDNA EST EMBL:	550	42.157
4578	AF151863	Homo sapiens CGI-105 protein	187	93.333
4579	AB014564	Homo sapiens KIAA0664 protein	7558	100.000
4580	X98494	Homo sapiens M phase phosphoprotein 10	4243	98.960
4581	AL008635	Homo sapiens dJ510H16.1	844	54.412
4582	AF041206	Homo sapiens midline 1 cerebellar isoform 1	460	26.515
4583	AC006416	Arabidopsis thaliana Similar to	530	43.750
4584	AF123653	Homo sapiens FEZ1	362	41.341
4585	AF000195	Caenorhabditis elegans similar to oxysterol-binding proteins	490	42.246
4586	U93569	Homo sapiens p40	167	54.545
4587	X94313	Mus musculus p68 RNA helicase	153	95.455
4588	D87438	Homo sapiens Similar to a C.elegans protein in cosmid C14H10	5406	99.512
4589	U61953	Caenorhabditis elegans No definition line found	764	49.798
4590	U93569	Homo sapiens p40	238	37.963
4591	Z70780	Unknown similar to Zinc finger, C2H2 type; cDNA EST EMBL:D27516 comes from this gene; cDNA EST EMBL	975	40.000
4592	AB007923	Homo sapiens KIAA0454 protein	701	91.200
4593	AC002336	Arabidopsis thaliana hypothetical protein	647	33.668
4594	AB011096	Homo sapiens KIAA0524 protein	3955	100.000
4595	AL050331	Homo sapiens dJ486I3.4 (TSPY-like (testis specific protein, Y-linked like))	750	65.269
4596	AB029033	Homo sapiens KIAA1110 protein	4928	99.595
4597	AB002364	Homo sapiens KIAA0366	406	30.000
4598	AF017639	Mus musculus carboxypeptidase X2	923	90.411
4599	Y17462	Fugu rubripes cysteine conjugate beta-lyase	1613	55.904
4600	AF060173	Rattus norvegicus SV2 related protein	1828	96.140
4601	M36501	Homo sapiens alpha-2-macroglobulin	211	91.429
4602	X65964	Homo sapiens nestin	1907	95.652
4603	X03743	Homo sapiens L apoferritin (aa 126-175)	174	92.857
4604	Z69240	Schizosaccharomyces pombe putative amidohydrolase	996	52.708
4605	U73819	Mus musculus polypeptide GalNAc transferase-T4	734	39.527

4606	AF187318	Homo sapiens F-box protein Fbx2	492	43.103
4607	AF104260	Homo sapiens hiwi	1062	48.951
4608	Z46786	Drosophila melanogaster acetyl-CoA synthetase	348	61.446
4609	X76092	Homo sapiens DNA binding protein RFX3	417	100.000
4610	X68880	Homo sapiens EMX2	1076	100.000
4611	AF093097	Homo sapiens putative RNA-binding protein Q99	5782	100.000
4612	AF038960	Homo sapiens SKD1 homolog	340	97.917
4613	AB020807	Homo sapiens TLR6	1680	56.849
4614	U39546	Rattus norvegicus surface protein MCA-32	372	30.904
4615	AL031228	Homo sapiens dJ1033B10.8.1 (Ring finger protein 1 (RING1, RNF1))	1300	100.000
4616	AB015330	Homo sapiens HRIHFB2007	341	55.914
4617	U20086	Mus musculus NF2d9	297	89.796
4618	AF016417	Caenorhabditis elegans Similar to BZIP transcription factor	648	42.105
4619	L12701	Homo sapiens engrailed protein	667	100.000
4620	X55885	Homo sapiens KDEL receptor	497	100.000
4621	Y08200	Homo sapiens rab geranylgeranyl transferase	169	33.803
4622	U79260	Homo sapiens unknown	191	58.730
4623	U95973	Arabidopsis thaliana endomembrane protein EMP70 precursor isolog	1683	59.698
4624	AL034433	Schizosaccharomyces pombe ubiquitin-activating enzyme e1	456	48.538
4625	AL117404	Homo sapiens hypothetical protein	458	100.000
4626	L07765	Homo sapiens carboxylesterase	273	50.000
4627	AC003038	Homo sapiens R30923 1	482	98.611
4628	AJ010482	Homo sapiens Myopodin protein	1271	100.000
4629	AJ010305	Mus musculus mouse smoothelin, large isoform	834	54.751
4630	AF118637	Homo sapiens feline leukemia virus subgroup C receptor FLVCR	446	28.342
4631	AB029023	Homo sapiens KIAA1100 protein	1059	72.093
4632	AB014568	Homo sapiens KIAA0668 protein	4888	99.865
4633	X92857	Homo sapiens NFI /CAAT-binding transcription factor 5 (CTF5)	1014	100.000
4634	U13875	Caenorhabditis elegans No definition line found	485	43.367
4635	U34925	Drosophila melanogaster TH1	220	52.727
4636	AF031897	Meleagris gallopavo G protein coupled P2Y nucleotide receptor	563	35.632
4637	L22005	Homo sapiens ubiquitin conjugating enzyme	2038	99.664
4638	AF145615	Drosophila melanogaster BcDNA.GH03377	221	33.333
4639	Z49909	Caenorhabditis elegans weak similarity with a B. Flavum translocation protein (Swiss Prot accession number P38376); cDNA EST yk220e10.5 comes from this gene; cDNA EST yk549e12.3 comes from this gene; cDNA EST yk618d6.3 comes from this gene	628	36.508
4640	AF078850	Homo sapiens steroid dehydrogenase homolog	1175	98.925
4641	D88153	Homo sapiens HYA22	1155	71.429
4642	AF155739	Mus musculus axotrophin	1761	90.203
4643	AF079527	Mus musculus IER5	450	78.261
4644	AF080217	Sinorhizobium meliloti acetoacetyl-CoA synthetase; acetoacetyl-CoA ligase; acyl-activating enzyme	883	47.826
4645	X04823	Bos taurus cGMP phosphodiesterase (AA 1-87)	275	88.889
4646	Z95559	Caenorhabditis elegans cDNA EST yk236d4.5 comes from this gene; cDNA EST EMBL:C13455 comes from this gene; cDNA EST yk329g6.5 comes from this gene; cDNA EST CEMSH45R comes from this gene	648	56.497
4647	X80169	Mus musculus tsg24	3148	92.032

4648	X92750	Mus musculus red-1	1174	98.352
4649	J02459	bacteriophage lambda ea22 (182)	856	96.296
4650	U06631	Homo sapiens homologous to mouse gene PC326:GenBank Accession Number M95564	400	64.583
4651	L36340	Xenopus laevis importin alpha 1b	194	57.692
4652	AF135027	Homo sapiens OB binding protein-like protein	2931	89.655
4653	U22818	Cricetulus griseus mutant sterol regulatory element binding protein-2	469	63.636
4654	AB028981	Homo sapiens KIAA1058 protein	10125	100.000
4655	AL049996	Homo sapiens hypothetical protein	51	36.364
4656	D86979	Homo sapiens KIAA0226	1103	55.172
4657	U28789	Mus musculus PACT	2740	78.743
4658	X97674	Homo sapiens transcriptional intermediary factor 2	8231	100.000
4659	A58799	unidentified unnamed protein product	407	94.444
4660	AF072506	Homo sapiens envelope protein precursor	373	75.949
4661	X98374	Rattus norvegicus KIS	314	100.000
4662	Z71259	Caenorhabditis elegans Weak similarity to Yeast mitochondrial carrier protein YIL006W (SW:YIA6_YEAST); cDNA EST EMBL:C09181 comes from this gene	365	42.748
4663	AB028986	Homo sapiens KIAA1063 protein	811	80.000
4664	AL021748	Schizosaccharomyces pombe hypothetical protein	232	35.971
4665	AB002374	Homo sapiens KIAA0376	962	45.433
4666	AB023203	Homo sapiens KIAA0986 protein	242	100.000
4667	AJ010973	Homo sapiens DEDD protein	578	53.049
4668	AF116553	Drosophila melanogaster antennal-specific short-chain dehydrogenase/reductase	390	32.663
4669	X07311	Drosophila melanogaster heat shock protein	167	35.714
4670	X75042	Homo sapiens c-rel	2965	100.000
4671	X17531	Strongylocentrotus purpuratus epidermal growth factor	407	57.831
4672	AB011123	Homo sapiens KIAA0551 protein	443	87.671
4673	AB020711	Homo sapiens KIAA0904 protein	312	100.000
4674	AF000234	Homo sapiens P2x purinoceptor	216	100.000
4675	Z36715	Homo sapiens Net	2006	98.101
4676	AL109819	Arabidopsis thaliana extensin-like protein	414	24.194
4677	AJ006268	Homo sapiens ATPase	811	92.308
4678	AF132180	Drosophila melanogaster unknown	940	35.849
4679	Z72511	Unknown possible zinc finger protein; cDNA EST EMBL:M89115 comes from this gene; cDNA EST EMBL:D715	228	33.333
4680	AC005053	Homo sapiens match to ESTs AA316181 (NID:g3165221), AA032221 (NID:g1502183), and AI167942 (NID:g3701112)	881	49.580
4681	AE000119	Escherichia coli orf, hypothetical protein	675	100.000
4682	AB015630	Homo sapiens type II membrane protein	551	34.448
4683	AB005541	Rattus rattus PCTAIRE3	2521	91.707
4684	AF089730	Rattus norvegicus potassium channel subunit	488	94.937
4685	AB011541	Homo sapiens MEGF8	12808	99.942
4686	AF006466	Mus musculus lymphocyte specific formin related protein	2651	81.426
4687	U71273	Sus scrofa glucosidase II	179	30.488
4688	D90750	Escherichia coli Hypothetical transcriptional regulator in metG-dld intergenic region.	550	100.000
4689	M59742	Rattus norvegicus GABA transporter protein	2732	90.991
4690	AB014568	Homo sapiens KIAA0668 protein	511	37.838
4691	D29013	Homo sapiens DNA polymerase beta	512	33.333
4692	AB028972	Homo sapiens KIAA1049 protein	201	100.000

4693	AC004685	Homo sapiens Unknown gene product	287	100.000
4694	AE000799	Methanobacterium thermoautotrophicum O-linked GlcNAc transferase	193	38.776
4695	X99209	Homo sapiens arginine methyltransferase	250	34.884
4696	AL031685	Homo sapiens dJ963K23.2 (novel protein)	533	41.765
4697	AL121741	Schizosaccharomyces pombe vacuolar protein sorting-associated protein	1078	35.199
4698	Y15054	Rattus norvegicus 70 kD tumor-specific antigen	591	86.735
4699	Z93239	Unknown predicted using Genefinder; cDNA EST EMBL:D68680 comes from this gene; cDNA EST yk212g2.5 c	1063	44.986
4700	AL078627	Schizosaccharomyces pombe actin-like protein; (2 actin domains)	403	46.043
4701	Z68318	Caenorhabditis elegans Similarity to Human Transcriptional repressor protein PRDI-BF1 (PIR Acc. No. A39564)	194	39.216
4702	AB015339	Homo sapiens HRIHFB2255	293	65.556
4703	X63692	Homo sapiens DNA (cytosine-5-)-methyltransferase	1422	99.510
4704	AF053130	Mus musculus unconventional myosin MYO15	254	97.561
4705	AF121081	Mus musculus cAMP inducible 2 protein	473	68.182
4706	AC003007	Homo sapiens Unknown gene product (partial)	1141	96.237
4707	AB014573	Homo sapiens KIAA0673 protein	8121	100.000
4708	Z68751	Unknown Similarity to Yeast hypothetical protein YKK0 (SW:YKK0_YEAST); cDNA EST EMBL:C12578 comes f	662	47.222
4709	AF111168	Homo sapiens unknown	163	55.556
4710	AF146688	Fugu rubripes kelch protein	264	31.056
4711	AB006627	Homo sapiens KIAA0289	8904	99.313
4712	AL080058	Homo sapiens hypothetical protein	2277	99.701
4713	AB001772	Ciona savignyi PEM-5	301	32.576
4714	AB020676	Homo sapiens KIAA0869 protein	5658	99.217
4715	Z73906	Caenorhabditis elegans cDNA EST EMBL:M88866 comes from this gene	298	30.290
4716	AF077032	Homo sapiens sec61 homolog	476	95.890
4717	AF064092	Homo sapiens mutant guanine nucleotide-binding protein G(s), alpha subunit	158	100.000
4718	AF030253	Rattus norvegicus vesicular GABA transporter	398	98.305
4719	U36309	Gallus gallus rhoGap protein	877	48.235
4720	AL050331	Homo sapiens dJ486I3.4 (TSPY-like (testis specific protein, Y-linked like))	1554	99.556
4721	X77681	Picea abies cdc2Pa	125	45.455
4722	U66411	Drosophila melanogaster putative type III alcohol dehydrogenase	294	54.878
4723	L07063	Mus musculus FKBP65 binding protein	2255	89.444
4724	AB007923	Homo sapiens KIAA0454 protein	292	33.790
4725	X69090	Homo sapiens 190kD protein	3235	99.393
4726	X61047	Hydra sp. mini-collagen	124	53.333
4727	AL035424	Homo sapiens dA22D12.1 (novel protein similar to Drosophila Kelch (Ring Canal protein, KEL) and a heterogenous set of other types of proteins)	3848	100.000
4728	AF003384	Caenorhabditis elegans weak similarity to the peptidase family A2	713	34.988
4729	U43317	Mus musculus transmembrane receptor	1084	99.401
4730	AC002400	Homo sapiens Gene product with similarity to Ubiquitin binding enzyme	1378	90.870
4731	L15313	Caenorhabditis elegans homology with leucine aminopeptidase; coded for by C. elegans cDNAs	1227	46.991

		CE2F12 (GenBank: Z14714) and CE15D11 (GenBank: Z14518); putative		
4732	AJ238706	Drosophila melanogaster monocarboxylate transporter 1 homologue	297	30.400
4733	AF072934	Homo sapiens translational release factor 1	1050	48.773
4734	AC005306	Homo sapiens R27216 1	1480	80.970
4735	AF113131	Homo sapiens host cell factor homolog LCP	276	80.000
4736	AB007926	Homo sapiens KIAA0457 protein	5616	99.763
4737	AC004500	Homo sapiens GDF-9	3109	100.000
4738	AF007170	Homo sapiens unknown	404	26.415
4739	X60152	Homo sapiens zinc finger 2.2	2795	100.000
4740	D25215	Homo sapiens KIAA0032	593	38.565
4741	AC005534	Homo sapiens supported by human ESTs AA412402 (NID:g2070990) NH44021 (NID:g1182549), mouse EST AA065933 (NID:g1562789), and genscan	1486	88.845
4742	Z83115	Caenorhabditis elegans predicted using Genefinder; Similarity to Human P619 protein (TR:Q15751)	212	48.387
4743	AF153230	Xenopus laevis allantoicase	817	56.345
4744	Y07759	Homo sapiens mysoin heavy chain 12	413	61.798
4745	M98529	Homo sapiens 21 kDa protein	418	100.000
4746	U23522	Caenorhabditis elegans No definition line found	574	31.875
4747	AF070996	Monodelphis domestica lactate dehydrogenase A	767	41.534
4748	Z25420	Gallus gallus class II INCENP protein	238	26.103
4749	AF117892	Homo sapiens aspartic-like protease	3428	99.807
4750	AL050126	Homo sapiens hypothetical protein	740	73.077
4751	Z82268	Unknown cDNA EST yk338g10.5 comes from this gene; cDNA EST EMBL:D27934 comes from this gene; cDNA E	369	32.035
4752	AL031320	Homo sapiens dJ20N2.1 (novel protein similar to yeast and bacterial cytosine deaminase)	260	97.436
4753	U34932	Rattus norvegicus Fos-related antigen	1129	82.432
4754	AF083108	Homo sapiens sirtuin type 3	2730	100.000
4755	AL049938	Homo sapiens hypothetical protein	1438	99.552
4756	AJ006470	Homo sapiens cartilage-associated protein (CASP)	1944	100.000
4757	AF000195	Caenorhabditis elegans similar to oxysterol-binding proteins	839	44.966
4758	U54638	Mus musculus rhotekin	1438	81.176
4759	Z78542	Caenorhabditis elegans similar to Mitochondrial carrier proteins; cDNA EST EMBL:T01651 comes from this gene	523	51.592
4760	X13916	Homo sapiens LDL-receptor related precursor (AA -19 to 4525)	1252	96.196
4761	AF053308	Drosophila affinis putative guanine nucleotide releasing factor	656	57.962
4762	AF167320	Mus musculus zinc finger protein ZFP113	672	67.669
4763	AF049611	Homo sapiens huntingtin interacting protein HYPE	1221	100.000
4764	AB014596	Homo sapiens KIAA0696 protein	3747	100.000
4765	AL034408	Homo sapiens dJ710L4.2 (similar to MYOTUBULARIN-RELATED PROTEIN)	1985	99.660
4766	Z46787	Caenorhabditis elegans similar to Glutaredoxin, Zinc finger, C3HC4 type (RING finger)	1209	51.582
4767	D78359	Rattus norvegicus consensus repeat domain: nt120-174; consensus repeat domain: nt262-317; consensus repeat domain: nt57-115; transmembrane domain: nt376-413	235	32.168
4768	AF083217	Homo sapiens WD repeat protein WDR3	6181	99.788

4769	X95272	Rattus norvegicus ORF	304	25.000
4770	AL096842	Homo sapiens hypothetical protein	409	95.385
4771	AF061817	Rattus norvegicus DNA-binding protein PREB	1471	92.373
4772	AL021481	Unknown similar to Phosphoglucomutase and phosphomannomutase phosphoserine; cDNA EST EMBL:D36168	1138	44.089
4773	Z92832	Caenorhabditis elegans F31D4.2	578	42.273
4774	X52022	Homo sapiens collagen type VI, alpha 3 chain	4690	99.582
4775	U70854	Caenorhabditis elegans No definition line found	985	39.231
4776	X76116	Caenorhabditis elegans carrier protein (c2)	693	50.877
4777	U06713	Rattus norvegicus SM-20	993	61.860
4778	Z46373	Saccharomyces cerevisiae orf, len: 423, CAI: 0.18, 27.4% identity in 307 aa overlap with S36201 S36201 hypothetical protein 1 - Rhizobium leguminosarum	945	44.142
4779	Z46354	Homo sapiens hexokinase II	200	70.732
4780	Z93239	Unknown predicted using Genefinder; cDNA EST EMBL:D68680 comes from this gene; cDNA EST yk212g2.5 c	593	37.917
4781	AB023233	Homo sapiens KIAA1016 protein	4916	99.185
4782	U49954	Caenorhabditis elegans coded for by C. elegans cDNA CEESG19F; short region of weak similarity to Thermomonospora protein kinase (GB:U23820)	281	27.759
4783	M17099	Oryctolagus cuniculus progesterone-induced protein	1158	91.623
4784	AL117482	Homo sapiens hypothetical protein	2001	100.000
4785	Z29094	Caenorhabditis elegans similar to Na/Ca, K antiporter	234	33.884
4786	D49473	Mus musculus truncated form of Sox17	1402	78.400
4787	L31349	Drosophila melanogaster out at first protein	644	41.228
4788	U66088	Homo sapiens sodium iodide symporter	186	33.654
4789	AL117204	Caenorhabditis elegans predicted using Genefinder; cDNA EST yk381b7.5 comes from this gene	325	39.344
4790	AF038957	Homo sapiens translation initiation factor 4e	169	100.000
4791	AF002196	Caenorhabditis elegans No definition line found	227	38.462
4792	U21324	Caenorhabditis elegans similar to entire S. cerevisiae ABC1 protein (Swiss-Prot Acc: P27697)	420	50.862
4793	AL050102	Homo sapiens hypothetical protein	3182	99.798
4794	AF097887	Rattus norvegicus Chp	1135	98.810
4795	L34581	Mus musculus tyrosine phosphatase	200	33.708
4796	L15313	Caenorhabditis elegans homology with leucine aminopeptidase; coded for by C. elegans cDNAs CE2F12 (GenBank: Z14714) and CE15D11 (GenBank: Z14518); putative	1227	46.991
4797	L43631	Homo sapiens scaffold attachment factor B	377	44.937
4798	AF083389	Homo sapiens putative WHSC1 protein	3574	100.000
4799	AC004473	Arabidopsis thaliana T13D8.31	630	36.901
4800	AJ238097	Homo sapiens Lsm5 protein	24	60.000
4801	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	363	67.568
4802	Z75552	Unknown predicted using Genefinder; Similarity to Prototheca mitochondiral ribosomal protein S11 (382	43.704
4803	X92763	Homo sapiens tafazzins	2043	100.000
4804	Z75170	Saccharomyces cerevisiae ORF YOR262w	727	44.939
4805	Z48583	Unknown similar to ATPases associated with various cellular activities (AAA); cDNA EST EMBL:Z14623	1246	59.868

4806	AF104919	Unknown Arabidopsis thaliana ABC1 protein (GB:AJ001158)	819	45.946
4807	X13320	Homo sapiens keratin	340	98.214
4808	AF145649	Drosophila melanogaster BcDNA.GH08388	907	38.362
4809	U58652	Oryctolagus cuniculus ubiquitin-conjugating enzyme E2-32k	1413	99.515
4810	X76013	Homo sapiens glutaminyl-tRNA synthetase	4012	100.000
4811	AF047659	Caenorhabditis elegans No definition line found	1162	46.731
4812	AL080214	Homo sapiens hypothetical protein	693	100.000
4813	AB031292	Mus musculus proteolipid protein 2	192	30.208
4814	AF069291	Homo sapiens hT41	925	44.970
4815	AL109832	Schizosaccharomyces pombe hypothetical protein	175	32.632
4816	AF070470	Mus musculus SPARC-related protein	1583	58.530
4817	U22376	Homo sapiens alternatively spliced product using exon 13A	402	62.245
4818	D50086	Mus musculus neuropilin	248	37.500
4819	L20319	Rattus norvegicus developmentally regulated protein	221	55.172
4820	M81088	Rattus norvegicus EF-1-alpha	165	96.667
4821	U82982	Cavia porcellus GEC-3	544	47.399
4822	AF000195	Caenorhabditis elegans similar to oxysterol-binding proteins	1346	47.899
4823	AC004912	Homo sapiens similar to CR16, SH3 domain binding protein; similar to 2205340A (PID:gl587070)	1309	99.459
4824	D87973	Mus musculus Impact	396	86.765
4825	X75756	Homo sapiens protein kinase C mu	675	99.020
4826	AF070614	Homo sapiens unknown	2568	100.000
4827	L08069	Homo sapiens DNAJ homologue-2	1329	68.613
4828	AL117525	Homo sapiens hypothetical protein	172	96.000
4829	U22376	Homo sapiens alternatively spliced product using exon 13A	425	73.626
4830	M11437	Homo sapiens kininogen	2074	100.000
4831	AB005142	Homo sapiens klotho	576	37.097
4832	Y18208	Rattus norvegicus serine-threonine specific protein phosphatase, glycogen-binding (GL) subunit	873	90.226
4833	U63840	Rattus norvegicus nucleoporin p54	1155	96.257
4834	AL031588	Homo sapiens dJ1163J1.2.1 (novel protein similar to C. elegans B0035.16 and bacterial tRNA (5-Methylaminomethyl-2-thiouridylate)-Methyltransferases) (isoform 1)	892	97.744
4835	AF116509	Homo sapiens Ets transcription factor TEL-2b	2415	100.000
4836	AB011168	Homo sapiens KIAA0596 protein	8110	99.836
4837	X66357	Homo sapiens serine/threonine protein kinase	1667	99.595
4838	X86682	Mus musculus HNP36 protein	275	34.320
4839	AF055666	Mus musculus kinesin light chain 2	2075	73.884
4840	AF100657	Caenorhabditis elegans Contains similarity to Pfam domain: PF00614 (PLDc), Score=13.8, E-value=0.2, N=1	217	38.400
4841	AL031447	Homo sapiens dJ126A5.2.1 (novel protein) (isoform 1)	1670	100.000
4842	AB002319	Homo sapiens KIAA0321	10277	100.000
4843	AL096768	Homo sapiens dJ858B16.2 (novel protein similar to hamster PSSC (Phosphatidylserine Decarboxylase Proenzyme, EC 4.1.1.65)	2108	99.670
4844	U86074	Homo sapiens tesmin	206	54.386
4845	AB023136	Homo sapiens KIAA0919 protein	4673	100.000
4846	X87237	Homo sapiens a-glucosidase I	4405	97.869

4847	AF016421	Caenorhabditis elegans Similar to nitrophenylphosphatase; coded for by C. elegans cDNA yk312h2.5; coded for by C. elegans cDNA yk267e8.5; coded for by C. elegans cDNA yk312h2.3	344	37.013
4848	Z29121	Caenorhabditis elegans ZK757.1	734	39.858
4849	AB020702	Homo sapiens KIAA0895 protein	834	64.324
4850	U55021	Saccharomyces cerevisiae O3635p	138	33.333
4851	AB029000	Homo sapiens KIAA1077 protein	5570	99.750
4852	AB029035	Homo sapiens KIAA1112 protein	3399	95.131
4853	AF074603	Streptomyces griseus subsp. griseus NonF	265	38.571
4854	AF081249	Homo sapiens JAW1-related protein MRV11A long isoform	5849	99.215
4855	AL031786	Schizosaccharomyces pombe hypothetical protein	209	33.628
4856	D87908	Mus musculus nuclear protein np95	512	46.286
4857	AC007178	Arabidopsis thaliana hypothetical protein	680	32.326
4858	X70804	Mus musculus rab17	304	90.000
4859	M34054	Cavia porcellus complement C3 protein (GPC3) precursor	436	39.773
4860	M25579	Bos taurus adenyllyl cyclase Type I	5713	91.300
4861	AL031644	Schizosaccharomyces pombe hypothetical protein	292	28.319
4862	Y17832	Human endogenous retrovirus K pol protein	175	48.000
4863	M76411	Escherichia coli cadA	590	100.000
4864	AB011177	Homo sapiens KIAA0605 protein	457	36.574
4865	AF080171	Homo sapiens zinc finger protein ZNF232	1962	100.000
4866	AL117462	Homo sapiens hypothetical protein	308	46.457
4867	X64878	Homo sapiens oxytocin receptor	902	100.000
4868	M92843	Homo sapiens zinc finger transcriptional regulator	261	100.000
4869	AF059569	Homo sapiens actin binding protein MAYVEN	305	50.000
4870	AB023216	Homo sapiens KIAA0999 protein	7456	99.728
4871	AF026794	Mus musculus galectin-6	201	28.877
4872	AL117478	Homo sapiens hypothetical protein	4882	99.713
4873	J04605	Homo sapiens prolidase	301	91.837
4874	AF019236	Dictyostelium discoideum TipD	746	39.869
4875	AB001451	Homo sapiens Sck	992	100.000
4876	X85019	Homo sapiens UDP-GalNAc:polypeptide N-acetylgalactosaminyl transferase	902	48.029
4877	U86074	Homo sapiens tesmin	2133	100.000
4878	D86980	Homo sapiens KIAA0227	501	45.312
4879	D86979	Homo sapiens KIAA0226	234	43.662
4880	Z92809	Caenorhabditis elegans predicted using Genefinder; similar to Thrombospondin type 1 domain	414	30.126
4881	Z37139	Unknown similar to guanine nucleotide binding protein; cDNA EST EMBL:T00917 comes from this gene; c	1556	64.756
4882	AF095286	Homo sapiens guanine deaminase GDA	793	100.000
4883	AF126162	Homo sapiens HERV-H LTR associating protein 2	160	100.000
4884	AB002331	Homo sapiens KIAA0333	6685	100.000
4885	X85545	Homo sapiens protein kinase	427	86.957
4886	AF149045	Homo sapiens Sex comb on midleg homolog 1 isoform 1	1784	92.568
4887	U13149	Pennisetum ciliare possible apospory-associated protein	189	45.588
4888	U23172	Caenorhabditis elegans No definition line found	619	37.631
4889	AB002304	Homo sapiens KIAA0306	9825	99.724
4890	M32512	Sus scrofa Na ⁺ , K ⁺ -ATPase alpha subunit	167	92.308
4891	D10923	Homo sapiens HM74	530	45.226

4892	AL049944	Homo sapiens hypothetical protein	193	51.613
4893	AF089745	Homo sapiens FK506-binding protein	264	80.851
4894	M16538	Homo sapiens G protein beta subunit	745	91.964
4895	U00063	Caenorhabditis elegans No definition line found	140	20.792
4896	AF077831	Homo sapiens tumor-related protein	3255	100.000
4897	M16141	Gallus gallus ovoinhibitor	184	37.681
4898	Z81030	Caenorhabditis elegans similar to citrate lyase beta chain; cDNA EST yk302b4.5 comes from this gene	602	54.023
4899	J04621	Homo sapiens heparan sulfate proteoglycan core protein	2591	99.748
4900	AJ003125	Homo sapiens procollagen I N-proteinase	444	33.508
4901	AF053367	Mus musculus carboxyl terminal LIM domain protein	433	45.578
4902	AF002668	Homo sapiens MLD	634	72.034
4903	Z82266	Caenorhabditis elegans predicted using Genefinder; similar to WD domain, G-beta repeats	959	39.118
4904	M28821	Mus musculus Tcte-1 peptide	202	30.769
4905	AF076957	Homo sapiens SDP1 protein	526	98.824
4906	U76638	Homo sapiens BRCA1-associated RING domain protein	419	40.957
4907	U22376	Homo sapiens alternatively spliced product using exon 13A	390	72.727
4908	AF060152	Homo sapiens METH1 protein	6696	100.000
4909	AF117892	Homo sapiens aspartic-like protease	1132	47.965
4910	U32394	Mus musculus Max-interacting transcriptional repressor	280	80.000
4911	D21205	Homo sapiens estrogen responsive finger protein (efp)	294	37.857
4912	AL034381	Schizosaccharomyces pombe conserved hypothetical PFAM UPF0031 containing protein	298	40.708
4913	X63692	Homo sapiens DNA (cytosine-5-)-methyltransferase	5745	99.880
4914	Z75526	Caenorhabditis elegans Weak similarity to Staphylococcus autolysin gene (TR:G765072); cDNA EST EMBL:M89336 comes from this gene; cDNA EST yk505d12.3 comes from this gene	692	48.485
4915	AF000198	Caenorhabditis elegans weak similarity to HSP90	594	30.952
4916	AB020721	Homo sapiens KIAA0914 protein	666	56.716
4917	AF083246	Homo sapiens HSPC028	1540	100.000
4918	AF001434	Homo sapiens Hpast	1630	84.698
4919	U36340	Mus musculus BKLF	956	99.242
4920	AF126484	Homo sapiens CARD4	424	44.944
4921	AF186469	Rattus norvegicus TM6P1	951	90.385
4922	AC007071	Arabidopsis thaliana hypothetical protein	221	26.400
4923	AC003093	Homo sapiens OXYSTEROL-BINDING PROTEIN; 45% similarity to P22059 (PID:gl29308)	503	53.731
4924	AF067660	Mus musculus Bcl-2 homolog	407	47.368
4925	AF145204	Homo sapiens E2a-Pbx1-associated protein	1458	79.333
4926	X69089	Homo sapiens 165kD protein	815	96.875
4927	AF022080	Homo sapiens R-ras3	302	100.000
4928	AC006585	Arabidopsis thaliana hypothetical protein	212	25.108
4929	D42047	Homo sapiens The ha3662 gene product is related to mouse glycerophosphate dehydrogenase.	2715	100.000
4930	AB028998	Homo sapiens KIAA1075 protein	9734	99.427
4931	AF051162	Drosophila melanogaster SLOB	443	39.574
4932	AF001533	Mus musculus mitogen-induced	497	98.750
4933	Z72604	Saccharomyces cerevisiae ORF YGL082w	230	27.500

4934	270780	Caenorhabditis elegans cDNA EST yk465d10.3 comes from this gene; cDNA EST yk465d10.5 comes from this gene; cDNA EST yk481d9.5 comes from this gene	548	49.032
4935	AB007948	Homo sapiens KIAA0479 protein	2327	100.000
4936	AF187318	Homo sapiens F-box protein Fbx2	873	48.289
4937	Y17048	Rattus norvegicus caldendrin	1274	94.500
4938	AB020626	Homo sapiens KIAA0819 protein	349	39.583
4939	L06237	Homo sapiens microtubule-associated protein 1B	671	35.782
4940	U81491	Mus musculus polyhomeotic 2	197	44.776
4941	AF007787	Enterococcus faecalis orfC	309	44.444
4942	AF058919	Arabidopsis thaliana regions of weak similarity to l-asparaginase	267	45.556
4943	AF051155	Rattus norvegicus G beta-like protein GBL	1280	94.388
4944	X57108	Homo sapiens cerebroside sulfate activator	338	100.000
4945	AL117589	Homo sapiens hypothetical protein	1787	100.000
4946	U22376	Homo sapiens alternatively spliced product using exon 13A	185	88.571
4947	AL050157	Homo sapiens hypothetical protein	747	100.000
4948	AF090133	Rattus norvegicus lin-7-A	860	96.350
4949	U37150	Bos taurus peptide methionine sulfoxide reductase	1402	89.238
4950	AF025441	Homo sapiens Opa-interacting protein OIP5	1557	100.000
4951	Z69240	Schizosaccharomyces pombe putative amidohydrolase	996	52.708
4952	U21309	Caenorhabditis elegans No definition line found	307	39.157
4953	AB018188	Bos taurus myocilin	323	35.583
4954	AL035424	Homo sapiens dA22D12.1 (novel protein similar to Drosophila Kelch (Ring Canal protein, KEL) and a heterogenous set of other types of proteins)	382	66.667
4955	AL031261	Schizosaccharomyces pombe conserved hypothetical protein	400	35.519
4956	U55376	Caenorhabditis elegans coded for by C. elegans cDNA cm21e6; coded for by C. elegans cDNA cm01e2; similar to melibiose carrier protein (thiomethylgalactoside permease II)	515	35.350
4957	X78933	Homo sapiens zinc finger protein	1012	74.731
4958	AF007139	Homo sapiens unknown	1597	98.780
4959	D83327	Homo sapiens DCRR1	390	23.862
4960	Z81052	Caenorhabditis elegans Similarity to Yeast ABC1P protein (SW:ABC1_YEAST); cDNA EST yk229g8.3 comes from this gene; cDNA EST yk229g8.5 comes from this gene	613	42.326
4961	AF118274	Homo sapiens DNb-5	1759	100.000
4962	AL050197	Homo sapiens hypothetical protein	496	48.529
4963	AL031393	Homo sapiens dJ733D15.1 (Zinc-finger protein)	3520	100.000
4964	L07780	Bos taurus UDP-GalNAc:polypeptide, N-acetylgalactosaminyltransferase	663	34.713
4965	AF155117	Homo sapiens NY-REN-62 antigen	505	49.708
4966	X80903	Mus musculus DELTA-like 1	716	40.240
4967	AB002323	Homo sapiens KIAA0325	13746	100.000
4968	AB014520	Homo sapiens KIAA0620 protein	13395	99.950
4969	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	390	71.622
4970	AF154671	Homo sapiens CRB1	9674	99.626
4971	U29096	Caenorhabditis elegans coded for by C. elegans cDNA yk44f2.5; similar to P59 protein (HSP binding immunophilin) and to TPR domain	527	38.000
4972	AF125188	Homo sapiens adenosine deaminase acting on tRNA	301	91.667

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4973	D26549	Bos taurus bovine adseverin	4422	90.795
4974	AJ007798	Homo sapiens nuclear protein SA3	481	92.000
4975	AF068749	Mus musculus sphingosine kinase	175	41.791
4976	AL031685	Homo sapiens dJ963K23.2 (novel protein)	1621	100.000
4977	AF187552	Homo sapiens ezrin	201	90.909
4978	U95098	Xenopus laevis mitotic phosphoprotein 44	611	71.774
4979	X77383	Homo sapiens cathepsin O	1878	100.000
4980	Z49967	Unknown cDNA EST EMBL:T00743 comes from this gene; cDNA EST EMBL:D69356 comes from this gene; cDNA	535	32.240
4981	Z78542	Caenorhabditis elegans similar to Mitochondrial carrier proteins; cDNA EST EMBL:T01651 comes from this gene	250	54.412
4982	D87757	Mus musculus ECF-L precursor	762	68.919
4983	L20319	Rattus norvegicus developmentally regulated protein	670	83.636
4984	U49057	Rattus norvegicus rA9	1098	70.472
4985	AC007504	Arabidopsis thaliana Hypothetical Protein	1211	35.835
4986	X61047	Hydra sp. mini-collagen	197	39.759
4987	U85969	Xenopus laevis middle molecular weight neurofilament protein NF-M(1)	259	29.102
4988	AL022238	Homo sapiens dJ1042K10.4 (novel protein)	793	51.029
4989	AC006128	Homo sapiens Human homolog of Mus musculus wizS protein	382	100.000
4990	U90880	Fugu rubripes zinc finger protein	1285	75.336
4991	U23175	Caenorhabditis elegans similar to anion exchange protein	1184	46.250
4992	AL031788	Schizosaccharomyces pombe putative mitochondrial inner membrane protease subunit 2	203	55.000
4993	U96113	Homo sapiens WWP1	4692	99.853
4994	X57228	Rattus norvegicus beta COP	4867	98.830
4995	U35776	Rattus norvegicus ADP-ribosylation factor 1-directed GTPase activating protein	1453	80.505
4996	AF040944	Mus musculus P140	454	33.158
4997	AC007858	Oryza sativa Similar to gb U43629 integral membrane protein from Beta vulgaris and is a member of the sugar transporter family PF 00083. ES	677	37.243
4998	AL117654	Homo sapiens hypothetical protein	2059	100.000
4999	AB006629	Homo sapiens KIAA0291	6027	99.895
5000	L04673	Saccharomyces cerevisiae phosphatase	198	30.000
5001	AF047659	Caenorhabditis elegans No definition line found	291	51.020
5002	U29378	Caenorhabditis elegans No definition line found	910	53.462
5003	U23515	Caenorhabditis elegans weakly similar to gastrula zinc finger protein	375	40.000
5004	D64001	Synechocystis sp. hypothetical protein	396	39.888
5005	AL035416	Homo sapiens dJ782L23.1 (HOOK1)	475	60.294
5006	S66407	Homo sapiens receptor tyrosine kinase isoform FLT4 long, FLT41 {C-terminal}	498	100.000
5007	AB015630	Homo sapiens type II membrane protein	388	48.819
5008	Z70269	Unknown predicted using Genefinder; Similarity to Yeast hypothetical protein YHG1 (SW:YHG1 YEAST);	1526	44.857
5009	AF105228	Bos taurus tuftelin	711	94.915
5010	U23169	Caenorhabditis elegans No definition line found	329	51.923

5011	AB020637	Homo sapiens KIAA0830 protein	3451	100.000
5012	M31013	Homo sapiens nonmuscle myosin heavy chain (NMHC)	7708	99.840
5013	AF125158	Homo sapiens zinc finger DNA binding protein 99	635	100.000
5014	AE001719	Thermotoga maritima NADH oxidase, putative	221	26.126
5015	U82163	Oryctolagus cuniculus No definition line found	364	53.571
5016	AB006013	Rattus norvegicus RGS8	214	49.180
5017	L26955	Streptomyces verticillus beta-hydroxylase	313	51.579
5018	AF140501	Homo sapiens RAD30B	4689	99.441
5019	X98374	Rattus norvegicus KIS	963	98.621
5020	AF172849	Homo sapiens AIM-1 protein	3564	100.000
5021	Z72795	Saccharomyces cerevisiae ORF YGR010w	655	41.538
5022	AB020682	Homo sapiens KIAA0875 protein	4162	98.885
5023	U90908	Homo sapiens unknown	352	41.007
5024	Z70034	Unknown similarity to 35.1KD hypothetical yeast protein (Swiss Prot accession number P38805); cDNA	1020	51.678
5025	AB000280	Rattus norvegicus peptide/histidine transporter	3185	87.057
5026	AB029010	Homo sapiens KIAA1087 protein	6354	100.000
5027	AC005620	Homo sapiens R33590 1	2089	100.000
5028	M38222	Trypanosoma brucei procyclic acidic repetitive protein	182	88.462
5029	AB029018	Homo sapiens KIAA1095 protein	7344	99.454
5030	AB018299	Homo sapiens KIAA0756 protein	5678	99.761
5031	AB019280	Mus musculus sprouty-4	1559	95.853
5032	AB007948	Homo sapiens KIAA0479 protein	519	36.634
5033	U22376	Homo sapiens alternatively spliced product using exon 13A	202	69.565
5034	U21317	Caenorhabditis elegans similar to SP:YR40_BACSU (P37512) hypothetical 78.8 kD protein in TETB-EXOA intergenic region	566	31.268
5035	AB018324	Homo sapiens KIAA0781 protein	4316	100.000
5036	AL031525	Schizosaccharomyces pombe ubiquitin carboxyl-terminal hydrolase	987	42.147
5037	D63477	Homo sapiens The KIAA0143 gene product is related to a putative C.elegans gene encoded on cosmid C32D5.	496	62.500
5038	U50193	Caenorhabditis elegans weak similarity to SP:YAD5_CLOAB (P33746) hypothetical protein and to PIR:C48583 stress-inducible protein STI1	706	35.135
5039	Z74031	Unknown Similarity to Yeast D-lactate dehydrogenase (SW:DLD1_YEAST); cDNA EST EMBL:C12235 comes fro	701	50.495
5040	AB009593	Tetragenococcus halophilus xylose transporter	169	35.294
5041	U97107	Mus musculus membrane glycoprotein CIG30	651	48.901
5042	AF055084	Homo sapiens very large G-protein coupled receptor-1	689	100.000
5043	X55019	Homo sapiens acetylcholine receptor delta subunit	1138	99.408
5044	X70223	Rattus norvegicus peroxisomal membrane protein	882	76.829
5045	M29015	Mus musculus ribosomal protein L7	689	43.983
5046	Z99124	Bacillus subtilis urocanase	414	33.772
5047	AC004010	Homo sapiens similar to Leucine-rich transmembrane proteins; 44% similarity to U42767 (PID:g1736918)	474	39.819
5048	AF087940	Homo sapiens basic helix-loop-helix	433	98.529

		ribonucleoprotein		
5133	U78978	Homo sapiens putative ATPase	2177	97.626
5134	Z46241	Unknown carboxyl terminus of the predicted protein shows similarity to chimaerin; cDNA EST EMBL:Z14	475	43.716
5135	AL117444	Homo sapiens hypothetical protein	2760	100.000
5136	AB014532	Homo sapiens KIAA0632 protein	4861	100.000
5137	AC002398	Homo sapiens F25965 1	702	96.117
5138	AF152361	Drosophila melanogaster Kua protein	909	64.706
5139	AB021179	Homo sapiens HEXIM1 protein	365	47.586
5140	U92010	Rattus norvegicus lin-10 protein homolog	2248	96.997
5141	J04695	Mus musculus alpha-2 type IV collagen	4422	87.816
5142	AL009196	Unknown /prediction=(method:""genefinder"", version:""084""); /prediction=(method:""genscan"", ve	1136	48.092
5143	AE001394	Plasmodium falciparum predicted integral membrane protein	111	59.259
5144	AF065389	Homo sapiens tetraspan NET-4	490	47.794
5145	AB012886	Mus musculus mac25	470	37.561
5146	AJ006692	Homo sapiens ultra high sulfur keratin	756	88.776
5147	AB030502	Xenopus laevis XDRP1	174	60.345
5148	AB023143	Homo sapiens KIAA0926 protein	328	53.125
5149	X99140	Homo sapiens type II intermediate filament of hair keratin	1885	100.000
5150	AB013607	Mus musculus c29	1331	77.985
5151	AC006053	Arabidopsis thaliana putative potassium transport protein	149	36.905
5152	AF176838	Homo sapiens N-acetylglucosamine 6-O-sulfotransferase	620	100.000
5153	U14417	Homo sapiens Ral guanine nucleotide dissociation stimulator	382	34.400
5154	U55208	Homo sapiens myosin VIIa	458	71.111
5155	AF188634	Drosophila melanogaster F protein	766	51.373
5156	Z70203	Caenorhabditis elegans cDNA EST yk414c9.3 comes from this gene; cDNA EST yk414c9.5 comes from this gene	631	32.099
5157	AB021981	Homo sapiens UDP-N-acetylglucosamine transporter	292	30.396
5158	AB014527	Homo sapiens KIAA0627 protein	259	97.500
5159	AL021571	Caenorhabditis elegans predicted using Genefinder	282	48.837
5160	U10861	Rattus norvegicus calpain small subunit	220	31.897
5161	X07715	Homo sapiens protein Po (partial) (217 is 2nd base in codon)	1909	98.551
5162	X85992	Mus musculus semaphorin C	1542	80.645
5163	U00050	Caenorhabditis elegans similarity across entire gene to DNA-directed RNA polymerase	474	71.111
5164	U46569	Homo sapiens aquaporin-5	1693	99.623
5165	AF125955	Caenorhabditis elegans contains similarity to AMP-binding domains (Pfam: PF00501, Score=82.1, E=1.1e-20, n=1); similar to long-chain-fatty-acid--CoA ligases	1244	43.875
5166	U41548	Caenorhabditis elegans weak similarity to hemolysins	202	48.333
5167	X69490	Homo sapiens titin	838	99.231
5168	Z80220	Unknown Similarity to yeast protein TREMBL ID E246895); cDNA EST EMBL:T00018 comes from this gene;	774	56.944
5169	AB011109	Homo sapiens KIAA0537 protein	511	42.810

5170	J04204	Bos taurus 32 kd accessory protein	962	69.951
5171	AF095193	Homo sapiens BAG-family molecular chaperone regulator-3; BAG-3	3926	99.304
5172	U50927	Rattus norvegicus zinc transporter ZnT-2	1420	86.166
5173	AC004472	Homo sapiens PL11659 5	397	54.867
5174	M62972	Drosophila melanogaster RP140-upstream	161	31.111
5175	Z71180	Caenorhabditis elegans similar to BPTI/KUNITZ inhibitor domain; cDNA EST EMBL:D68293 comes from this gene; cDNA EST yk448h4.5 comes from this gene; cDNA EST yk249e6.5 comes from this gene; cDNA EST yk448h4.3 comes from this gene	442	41.146
5176	X53556	Bos taurus type X collagen	657	42.963
5177	AB018295	Homo sapiens KIAA0752 protein	1265	84.426
5178	AE001079	Archaeoglobus fulgidus acetyl-CoA synthetase (acs-2)	563	39.919
5179	AF097707	Bos taurus serine protease	395	80.263
5180	X68011	Homo sapiens ZNF81	1180	64.800
5181	M13536	Homo sapiens ceruloplasmin	263	100.000
5182	Z36531	Homo sapiens fibrinogen-like protein	500	38.462
5183	X59372	Homo sapiens homeobox protein	2336	98.538
5184	AF030558	Rattus norvegicus phosphatidylinositol 5-phosphate 4-kinase gamma	695	85.600
5185	L27479	Homo sapiens X123	1629	97.959
5186	AC005005	Homo sapiens similar to smoothelin; similar to PID:g4128006	3446	99.811
5187	AC005328	Homo sapiens R26660 1, partial CDS	521	97.436
5188	X52140	Rattus norvegicus precursor polypeptide (AA - 28 to 1152)	2566	83.084
5189	AF151977	Homo sapiens orphan neurotransmitter transporter NTT5	996	96.667
5190	AL035461	Homo sapiens dJ967N21.5 (novel MCM2/3/5 family member)	2110	99.699
5191	AF064553	Mus musculus NSD1 protein	3648	80.606
5192	S67156	Homo sapiens aspartoacylase, ASP	669	44.131
5193	AJ000522	Homo sapiens axonemal dynein heavy chain	528	98.780
5194	U22376	Homo sapiens alternatively spliced product using exon 13A	199	76.190
5195	AJ010901	Homo sapiens MUC4	429	81.159
5196	AF128406	Homo sapiens prenyl-dependent prelamin A binding protein Narf	500	52.143
5197	AC006014	Homo sapiens similar to KIAA0618 and nuclear envelope protein POM 121; similar to PID:g3327050 and P52591 (PID:g1709213)	921	94.702
5198	U47924	Homo sapiens C9	445	50.382
5199	D25215	Homo sapiens KIAA0032	597	38.813
5200	M26217	Gallus gallus prolyl 4-hydroxylase, alpha subunit (EC 1.14.11.2)	233	30.500
5201	U80736	Homo sapiens CAGF9	197	78.947
5202	AC005328	Homo sapiens R26660 1, partial CDS	321	80.357
5203	Z71181	Caenorhabditis elegans similar to hydrolase	213	39.785
5204	D83777	Homo sapiens expressed ubiquitously with strong expression in brain	778	49.351
5205	AF164623	Homo sapiens trypsin-like serine protease	171	58.974
5206	AF117064	Homo sapiens transitional epithelia response protein	1016	100.000
5207	AL080318	Arabidopsis thaliana stress-induced protein stil-like protein	215	27.451
5208	AB023155	Homo sapiens KIAA0938 protein	658	68.939
5209	L15313	Caenorhabditis elegans homology with leucine	1227	46.991

5246	AF093098	Homo sapiens transcription factor TBLYM; T-box transcription factor family member	3821	100.000
5247	X05908	Homo sapiens lipocortin (AA 1-346)	200	86.486
5248	AF163254	Homo sapiens adaptor protein DAPP1	1099	100.000
5249	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	390	71.622
5250	U97006	Caenorhabditis elegans No definition line found	395	26.075
5251	Z75550	Caenorhabditis elegans Similarity with Schizosaccharomyces hypothetical gene (TREMBL ID G847708); cDNA EST EMBL:M89418 comes from this gene	179	28.814
5252	AE001727	Thermotoga maritima conserved hypothetical protein	374	35.233
5253	L07294	Homo sapiens T-cell receptor beta	1919	93.204
5254	AB014460	Homo sapiens tuberin	255	100.000
5255	AF094508	Homo sapiens dentin phosphoryn	214	22.532
5256	AL022718	Homo sapiens dJ1052M9.3 (mouse DOC4 LIKE protein)	8523	100.000
5257	Z33879	Sus scrofa G-beta like protein	1978	100.000
5258	AF060244	Mus musculus zinc finger protein 106	2094	94.969
5259	AL050331	Homo sapiens dJ486I3.2 (KIAA0721 (NAP (Nucleosome Assembly Protein) domain containg protein))	3136	100.000
5260	X63436	Bos taurus poly(A) polymerase	525	93.258
5261	AB001684	Chlorella vulgaris ORF49b	77	60.000
5262	X97668	Homo sapiens XLRP3	170	96.000
5263	AL117390	Schizosaccharomyces pombe putative nuclear pore protein	254	24.194
5264	U41060	Homo sapiens LIV-1 protein	483	49.324
5265	AC002131	Arabidopsis thaliana Contains similarity to hypothetical protein C18b11.05 gb Z50728 from S. pombe. EST gb H76601 comes from this gene.	267	30.612
5266	AL032646	Caenorhabditis elegans cDNA EST yk330e11.3 comes from this gene; cDNA EST yk330e11.5 comes from this gene	561	41.294
5267	AL049474	Schizosaccharomyces pombe hypothetical protein	179	35.165
5268	X99142	Homo sapiens type II intermediate filament of hair keratin	397	100.000
5269	Z67999	Schizosaccharomyces pombe hypothetical protein	397	32.090
5270	X86019	Homo sapiens SH3-domain interacting protein	157	35.507
5271	AB013452	Homo sapiens ATPaseII	443	54.135
5272	AB023207	Homo sapiens KIAA0990 protein	663	35.621
5273	Z74866	Saccharomyces cerevisiae ORF YOL124c	671	36.420
5274	X60465	Gallus gallus delta-9 desaturase	935	69.730
5275	AF037364	Homo sapiens paraneoplastic neuronal antigen MA1	1148	54.655
5276	X66286	Gallus gallus tensin	819	71.676
5277	L16559	Caenorhabditis elegans homology with ATP-dependent RNA helicase; putative	409	38.272
5278	AF064447	Mus musculus sex-determination protein homolog Femla	1023	90.303
5279	AF096870	Homo sapiens estrogen-responsive B box protein	266	32.727
5280	AF151816	Homo sapiens CGI-58 protein	482	49.624
5281	X80343	Homo sapiens regulatory partner for cdk5 kinase	1759	100.000
5282	AC006577	Arabidopsis thaliana Contains similarity to gb U45880 X-linked inhibitor of apoptosis protein from Homo sapiens and contains PF 00097 Zinc finger C3HC4 (Ring finger)	248	24.895

		domain.		
5283	U42580	Paramecium bursaria Chlorella virus 1 contains 10 ankyrin-like repeats; similar to human ankyrin, corresponds to Swiss-Prot Accession Number P16157	360	38.217
5284	X13255	Homo sapiens dopamine beta-hydroxylase preprotein (AA -25 to 578)	972	99.281
5285	Z99262	Schizosaccharomyces pombe threonine synthase	821	35.135
5286	U04380	Naegleria gruberi calcineurin B	223	30.882
5287	AC004475	Homo sapiens F23858 1	4072	99.671
5288	AC004890	Homo sapiens similar to zinc finger proteins; similar to BAA24380	227	53.125
5289	D31887	Homo sapiens KIAA0062	3500	99.623
5290	S79463	Mus sp. semaphorin homolog=M-Sema F	1051	95.541
5291	M57465	Neurospora crassa phytoene dehydrogenase	182	23.874
5292	AB014558	Homo sapiens KIAA0658 protein	4074	100.000
5293	AL080092	Homo sapiens hypothetical protein	922	100.000
5294	X91655	Bacillus subtilis lepA	735	54.167
5295	AF095741	Rattus norvegicus unknown	575	81.443
5296	AF053130	Mus musculus unconventional myosin MYO15	860	35.211
5297	U13019	Caenorhabditis elegans No definition line found	1315	50.272
5298	AC006978	Homo sapiens supported by human and rodent ESTs; match to AA454028 (NID:g2167697), similar to AA9255224 (NID:g4236415) and AA023712 (NID:g1487627)	537	78.824
5299	U56965	Caenorhabditis elegans No definition line found	819	39.077
5300	AE000887	Methanobacterium thermoautotrophicum N2,N2-dimethylguanosine tRNA methyltransferase	323	27.554
5301	M13212	Gallus gallus cartilage link protein	1090	60.417
5302	AF132479	Mus musculus Ese2L protein	2132	94.611
5303	AF019082	Borrelia burgdorferi virulent strain associated lipoprotein	219	24.603
5304	AB014543	Homo sapiens KIAA0643 protein	1370	99.535
5305	AF081497	Homo sapiens tumor-related protein	3235	100.000
5306	AF098505	Caenorhabditis elegans similar to Arabidopsis thaliana male sterility protein 2 (SW:Q08891)	482	31.604
5307	AF116865	Mus musculus hedgehog-interacting protein	4485	93.899
5308	AB014566	Homo sapiens KIAA0666 protein	3117	98.008
5309	AL034374	Homo sapiens dJ483K16.2 (novel protein)	914	100.000
5310	AJ225124	Mus musculus hyperpolarization-activated cation channel, HAC3	255	84.091
5311	AF140538	Homo sapiens histamine H3 receptor	1396	98.985
5312	U17989	Homo sapiens GS2NA	1756	52.000
5313	X80930	Saccharomyces cerevisiae RHC18	687	22.506
5314	AF125102	Homo sapiens HSPC041 protein	398	82.192
5315	AC004076	Homo sapiens R30217 1	4916	100.000
5316	U22015	Mus musculus retinoid X receptor interacting protein	1343	65.257
5317	U66561	Homo sapiens kruppel-related zinc finger protein	305	30.000
5318	AB002405	Homo sapiens LAK-4p	514	38.693
5319	D14572	Mus musculus 'PEBP2b1 protein'	1230	98.889
5320	U79298	Homo sapiens unknown	396	56.881
5321	D86640	Homo sapiens stac	554	54.194
5322	AB011084	Homo sapiens KIAA0512 protein	767	45.907
5323	AC004490	Homo sapiens R29381 1	301	59.223
5324	AF036696	Caenorhabditis elegans contains similarity to	591	41.150

		Brassica oleracea non-green plastid phosphate/triose-phosphate translocator precursor (GB:U13632)		
5325	U02082	Homo sapiens guanine nucleotide regulatory protein	976	54.027
5326	D26018	Homo sapiens KIAA0039	3182	100.000
5327	AF077738	Mus musculus metallocarboxypeptidase CPX-1	3977	87.790
5328	AF062006	Homo sapiens orphan G protein-coupled receptor HG38	1523	45.941
5329	AB007936	Homo sapiens KIAA0467 protein	636	100.000
5330	AL049689	Homo sapiens hypothetical protein	8803	100.000
5331	Z14016	Nicotiana tabacum pistil extensin like protein, partial CDS	179	33.673
5332	X70804	Mus musculus rab17	271	65.714
5333	U75329	Homo sapiens serine protease	843	52.521
5334	Y18620	Arabidopsis thaliana DsPTP1 protein	316	41.791
5335	AL023854	Caenorhabditis elegans similar to Regulator of chromosome condensation (RCC1); cDNA EST yk246c2.5 comes from this gene	421	35.981
5336	Z73944	Lotus japonicus RAB8A	253	34.400
5337	U04379	Mus musculus ZAP-70	3112	92.323
5338	AL110261	Homo sapiens hypothetical protein	1579	100.000
5339	AF106062	Homo sapiens Wiskott-Aldrich syndrome protein interacting protein	361	47.287
5340	U46068	Mus musculus von Ebner minor salivary gland protein	494	63.710
5341	D14478	Rattus norvegicus calpain	516	80.435
5342	Z68297	Unknown Similarity to Yeast TAT-binding homolog 7 (SW:TBP7_YEAST); cDNA EST EMBL:D37124 comes from	330	22.820
5343	AC006014	Homo sapiens similar to RFP transforming protein; similar to P14373 (PID:g132517)	425	94.118
5344	S67247	Homo sapiens smooth muscle myosin heavy chain isoform SMem	202	28.834
5345	Z93385	Caenorhabditis elegans predicted using Genefinder; Similarity to B.subtilis GTP-binding protein (SW:P20964); cDNA EST yk457c2.5 comes from this gene	687	50.213
5346	AF175967	Mus musculus Lemna coiled-coil protein variant 1	683	58.173
5347	AB029001	Homo sapiens KIAA1078 protein	990	49.858
5348	D83785	Homo sapiens expressed ubiquitously; product similar to D.melanogaster mam protein.	450	30.812
5349	M37884	Homo sapiens muscle beta spectrin	404	100.000
5350	AF156884	Homo sapiens RIP-like kinase	2130	100.000
5351	AF091035	Homo sapiens GTP-binding protein RAB21	1496	100.000
5352	D10523	Homo sapiens 2-oxoglutarate dehydrogenase precursor	1043	71.649
5353	AL021768	Arabidopsis thaliana ATP binding protein-like	650	58.491
5354	X16934	Homo sapiens B23 nucleophosmin (280 AA)	990	100.000
5355	U09284	Homo sapiens PINCH protein	343	86.538
5356	X96770	Saccharomyces cerevisiae P2558 protein	232	27.451
5357	D79998	Homo sapiens KIAA0176	1078	83.333
5358	AL117664	Homo sapiens hypothetical protein	215	96.774
5359	Z69725	Schizosaccharomyces pombe hypothetical protein	293	35.838
5360	U93305	Homo sapiens triple LIM domain protein	244	65.116
5361	AC005757	Homo sapiens R32611 1	600	98.837
5362	AF159567	Homo sapiens C2H2 (Kruppel-type) zinc finger protein	2768	100.000

5363	Y08139	Rattus norvegicus dermo-1 protein	903	99.281
5364	X87852	Homo sapiens SEX protein	11260	99.821
5365	X91619	Rattus norvegicus scal	359	39.645
5366	L42612	Homo sapiens keratin type II	981	63.052
5367	X07695	Homo sapiens cytokeratin 4 (408 AA)	2515	99.755
5368	AL031583	Unknown /prediction=(method:""genefinder"", version:""084"", score:""124.90""); /prediction=(meth	690	33.735
5369	AF106518	Homo sapiens sialomucin CD164	212	32.258
5370	D83596	Mus musculus unnamed protein product	2350	91.645
5371	U43194	Mus musculus rhophilin	727	67.722
5372	AB005549	Rattus norvegicus atypical PKC specific binding protein	712	81.955
5373	AJ011855	Homo sapiens PAK4 protein	966	74.737
5374	U70369	Mus musculus hematopoietic-specific IL-2 deubiquitinating enzyme	757	49.282
5375	J05065	Bos taurus calpain II regulatory subunit (EC 3.4.22.17)	751	78.676
5376	Z75542	Unknown cDNA EST EMBL:D34386 comes from this gene; cDNA EST EMBL:D37434 comes from this gene; cDNA	343	21.836
5377	AB013607	Mus musculus c29	1351	89.916
5378	AF135440	Mus musculus huntington yeast partner C	4056	94.977
5379	AF132297	Homo sapiens cytokine-inducible SH2-containing protein	2466	99.723
5380	D45913	Mus musculus leucine-rich-repeat protein	1243	95.960
5381	AL022018	Unknown /prediction=(method:""genefinder"", version:""084"", score:""165.48""); /prediction=(meth	1242	38.814
5382	AB023207	Homo sapiens KIAA0990 protein	1092	66.977
5383	U88167	Caenorhabditis elegans No definition line found	395	23.502
5384	U05340	Homo sapiens p55CDC	904	92.361
5385	AF064604	Homo sapiens KE03 protein	173	96.154
5386	AF043725	Homo sapiens PHD-finger protein	5849	96.544
5387	AJ003147	Homo sapiens marenostirin	654	57.055
5388	AF124435	Danio rerio p55-related MAGUK protein DLG3	629	43.636
5389	AC003989	Homo sapiens argininosuccinate synthase (citrulline-aspartate ligase); 84% Similarity to P09034 (NID:gl14291)	1100	100.000
5390	AF155108	Homo sapiens NY-REN-41 antigen	559	77.778
5391	Z27116	Saccharomyces cerevisiae ORF YKR407	191	33.333
5392	AB018349	Homo sapiens KIAA0806 protein	1588	62.916
5393	U41534	Caenorhabditis elegans Contains similarity to Pfam domain: PF00096 (zf-C2H2), Score=17.4, E-value=0.11, N=3	531	36.255
5394	AF075461	Mus musculus ADP-ribosylation factor-directed GTPase activating protein isoform a	2124	91.916
5395	AB023207	Homo sapiens KIAA0990 protein	216	42.857
5396	AF098505	Caenorhabditis elegans similar to Arabidopsis thaliana male sterility protein 2 (SW:Q08891)	637	34.783
5397	AF151857	Homo sapiens CGI-99 protein	212	89.189
5398	D87077	Homo sapiens KIAA0240	6429	99.898
5399	AF153362	Dictyostelium discoideum adenylyl cyclase	417	45.890
5400	D87449	Homo sapiens Similar to a C.elegans protein encoded in cosmid C52E12 (U50135)	2444	100.000
5401	Z77666	Unknown cDNA EST EMBL:T01059 comes from this gene; cDNA EST EMBL:D71534 comes from this	502	37.500

		gene; cDNA		
5402	AB020527	Homo sapiens Na/PO4 cotransporter homolog	306	95.833
5403	AL079314	Homo sapiens hypothetical protein, similar to (U06944) PRAJA1	169	100.000
5404	AB023212	Homo sapiens KIAA0995 protein	6648	100.000
5405	U22321	Rattus norvegicus casein kinase 1 gamma 3 isoform	701	61.749
5406	AF144573	Mesocricetus auratus Mx-interacting protein kinase PKM	615	93.000
5407	AE000209	Escherichia coli orf, hypothetical protein	569	100.000
5408	AF009603	Rattus norvegicus SH3p4	223	26.829
5409	X98614	Homo sapiens cytokeratin	199	61.017
5410	M76665	Homo sapiens 11-beta-hydroxysteroid dehydrogenase	1075	100.000
5411	AF183961	Homo sapiens carbon catabolite repression 4 protein homolog	2962	99.768
5412	AB018302	Homo sapiens KIAA0759 protein	954	45.506
5413	X85237	Homo sapiens human splicing factor	4766	100.000
5414	U51032	Saccharomyces cerevisiae Ydr341cp	1366	39.226
5415	D63476	Homo sapiens The KIAA0142 gene is related to human KIAA0006 gene.	220	100.000
5416	AB004538	Schizosaccharomyces pombe HYPOTHETICAL 59.2KD PROTEIN IN PFK26-SGA1 INTERGENIC REGION	157	34.483
5417	AL080159	Homo sapiens hypothetical protein	610	64.336
5418	AF141884	Homo sapiens oligophrenin-1 like protein	5117	100.000
5419	AB011370	Mus musculus Ankhzn	1396	94.836
5420	U50193	Caenorhabditis elegans ZK328.4 gene product	398	37.748
5421	AC005943	Homo sapiens methyl-CpG binding protein MBD3	1947	99.656
5422	AF132149	Drosophila melanogaster unknown	1024	60.474
5423	AL049481	Arabidopsis thaliana putative protein	497	51.948
5424	AF105365	Homo sapiens K-C1 cotransporter KCC4	1856	100.000
5425	AF033566	Mus musculus cdc2/CDC28-like protein kinase 4	1590	98.283
5426	AL031685	Homo sapiens dJ963K23.2 (novel protein)	378	30.811
5427	AF083955	Homo sapiens G protein-coupled receptor	994	100.000
5428	Y18101	Mus musculus macrophage actin-associated-tyrosine-phosphorylated protein	1327	84.211
5429	AF134149	Homo sapiens 2-pore K+ channel subunit TOSS	2053	100.000
5430	AF117888	Homo sapiens myosin-IXa	2539	100.000
5431	M55532	Rattus norvegicus carbohydrate-binding receptor	468	47.407
5432	AF031939	Mus musculus RalBP1-associated EH domain protein Reps1	1393	91.304
5433	AL021816	Schizosaccharomyces pombe SPBC24E9.03c, unknown, len:251aa	201	44.737
5434	M95046	Mycoplasma fermentans translation initiation factor IF3	427	47.917
5435	AF071777	Mus musculus IRE1	2248	85.979
5436	AF030131	Mus musculus Plenty of SH3s; POSH	178	85.714
5437	U40410	Caenorhabditis elegans C54G7.2 gene product	520	36.400
5438	AC004381	Homo sapiens SA gene	2023	60.832
5439	U78597	Plectonema boryanum kinesin light chain	526	42.793
5440	M58297	Homo sapiens zinc finger protein 42	914	51.131
5441	U80955	Caenorhabditis elegans contains a domain found in band 4.1, ezrin, moesin, radixin and talin	708	50.000
5442	AC006234	Arabidopsis thaliana hypothetical protein	269	36.607
5443	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	424	77.632
5444	AB019438	Homo sapiens immunoglobulin heavy chain variable region	715	90.598
5445	U57053	Homo sapiens myosin-ID	426	74.227

5446	AF040652	Caenorhabditis elegans Contains similarity to Pfam domain: PF00400 (G-beta), Score=62.3, E-value=3.5e-15, N=3	311	36.957
5447	V00638	bacteriophage lambda reading frame gam	776	99.138
5448	Z98762	Schizosaccharomyces pombe SPAC4A8.15c, cdc3; profilin, len:127aa, identical to PROF SCHPO, P39825, (127aa), similar eg. to PROF YEAST, P07274, profilin, (126aa), fasta scores,opt:479, E():0, (52.8 % identity in 127 aa overlap)	238	37.168
5449	M85227	Escherichia coli activator protein	1001	100.000
5450	L27153	Mus musculus kinesin heavy chain	220	21.689
5451	U03416	Rattus norvegicus neuronal olfactomedin-related ER localized protein	473	28.198
5452	L06443	Mus musculus growth factor	906	79.375
5453	D90716	Escherichia coli MoaB protein.	1109	100.000
5454	AE000451	Escherichia coli putative 2-component regulator	406	100.000
5455	AF039034	Caenorhabditis elegans contains similarity to G-coupled protein receptors	367	27.734
5456	AB014604	Homo sapiens KIAA0704 protein	1680	68.902
5457	AF132961	Homo sapiens CGI-27 protein	2018	100.000
5458	S63848	Bos taurus G-protein coupled receptor type B, GCR type B {clone PPR1}	708	86.777
5459	AF189817	Mus musculus evectin-2	296	97.778
5460	AL022721	Homo sapiens dJ109F14.1.1 (Transcriptional Enhancer Factor TEF-5) (isoform 1)	420	100.000
5461	U73960	Homo sapiens ADP-ribosylation factor-like protein 4	155	100.000
5462	AB014601	Homo sapiens KIAA0701 protein	4013	99.683
5463	D37979	Rattus norvegicus AIR carboxylase-SAICAR synthetase	157	74.194
5464	AC007292	Homo sapiens R31167 1, partial protein	2907	99.302
5465	Z46787	Unknown similar to leucyl-tRNA synthetase; cDNA EST EMBL:D64208 comes from this gene; cDNA EST EMBL	1396	45.766
5466	AB020672	Homo sapiens KIAA0865 protein	7122	100.000
5467	Y15521	Homo sapiens start position 1	2663	98.025
5468	AB008184	Bos taurus ganglioside sialidase	354	30.992
5469	AF144731	Rattus norvegicus putative splicing factor YT521-B	3563	93.285
5470	U41548	Caenorhabditis elegans weak similarity to hemolysins	291	47.475
5471	AB020715	Homo sapiens KIAA0908 protein	689	39.803
5472	A18007	Penicillium chrysogenum FacA	228	46.575
5473	AC005525	Homo sapiens F22162 1	718	87.879
5474	AL031588	Homo sapiens dJ1163J1.1 (ortholog of mouse transmembrane receptor Celsrl (KIAA0279 LIKE EGF-like domain containing protein similar to rat MEGF2)	403	100.000
5475	AB023178	Homo sapiens KIAA0961 protein	958	83.019
5476	AF055636	Homo sapiens leucine-rich glioma-inactivated protein precursor	387	50.505
5477	AB029029	Homo sapiens KIAA1106 protein	6832	99.705
5478	U95740	Homo sapiens Unknown gene product	722	64.677
5479	AF049344	Rattus norvegicus UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase T5	2978	90.260
5480	U43959	Homo sapiens beta 4 adducin	203	100.000
5481	AF005654	Homo sapiens actin-binding double-zinc-finger protein	3272	99.584

5482	AL021481	Unknown similar to Phosphoglucosyltransferase and phosphomannomutase phosphoserine; cDNA EST EMBL:D36168	1095	50.456
5483	D10627	Mus musculus zinc finger protein	876	47.368
5484	AB014575	Homo sapiens KIAA0675 protein	664	100.000
5485	X07037	Escherichia coli ORF A	669	100.000
5486	D90728	Escherichia coli Hypothetical protein HI1265	298	100.000
5487	U70214	Escherichia coli gamma-glutamyl phosphate reductase	998	99.367
5488	D90705	Escherichia coli Apolipoprotein n-acyltransferase (EC 2.3.1.-) (alp n-acyltransferase) (copper homeostasis protein cute).	222	96.970
5489	M87049	Escherichia coli guanosine pentaphosphatase	646	88.889
5490	D90811	Escherichia coli ORF ID:o320#13; similar to	761	99.130
5491	AE000451	Escherichia coli glucose-inhibited division; chromosome replication?	735	100.000
5492	D90732	Escherichia coli Hypothetical protein M	571	90.722
5493	U00007	Escherichia coli yehV	555	100.000
5494	U14003	Escherichia coli ORF f254	804	100.000
5495	U00007	Escherichia coli yehP	801	100.000
5496	D90702	Escherichia coli Citrate lyase beta chain (acyl lyase subunit) (cite) homolog	592	92.157
5497	D85081	Escherichia coli unnamed protein product	1101	99.398
5498	D64044	Escherichia coli YFHH-ECOLI protein similarity	573	88.679
5499	U28377	Escherichia coli ORF o183	427	78.889
5500	AE000401	Escherichia coli putative enzyme	674	99.020
5501	D90701	Escherichia coli ORF ID:o166#7	651	95.370
5502	AE000390	Escherichia coli orf, hypothetical protein	656	100.000
5503	D90715	Escherichia coli Molybdenum transport ATP-binding protein ModC.	944	98.621
5504	U29579	Escherichia coli ORF o191	381	100.000
5505	D14054	Escherichia coli partial ORF	164	89.655
5506	U00006	Escherichia coli No definition line found	794	100.000
5507	X52227	Escherichia coli fhla gene product (AA 1-692)	1486	97.107
5508	U09177	Escherichia coli hydrogenase-2 large subunit	248	100.000
5509	D28595	Escherichia coli transcriptional activator protein from homology search	650	100.000
5510	D83194	Shewanella sp. RNA polymerase alpha subunit	437	100.000
5511	M94248	Escherichia coli acriflavine resistance protein	265	100.000
5512	D90704	Escherichia coli ORF ID:o169#14	622	100.000
5513	M60916	Escherichia coli cytidine deaminase	615	97.895
5514	Y07802	Escherichia coli membrane protein	263	95.122
5515	AE000324	Escherichia coli orf, hypothetical protein	1012	98.026
5516	D90820	Escherichia coli Synaptic vesicle protein 2 (SV2).	459	98.649
5517	U14003	Escherichia coli soluble lytic transglycosylase	893	100.000
5518	U82664	Escherichia coli similar to human protein that oxidizes 11-cis retinol into 11-cis retinaldehyde	384	98.333
5519	V01503	Escherichia coli mannitol permease	345	96.610
5520	AE000394	Escherichia coli orf, hypothetical protein	695	95.283
5521	M67452	Escherichia coli cadB	692	98.148
5522	D90891	Escherichia coli GLYCINE BETAINE-BINDING PERIPLASMIC PROTEIN PRECURSOR.	365	94.643
5523	D90713	Escherichia coli TolR protein	539	98.837
5524	D90789	Escherichia coli Dipeptide transport ATP-	1482	94.828

5558	X86779	Homo sapiens FAST kinase	3652	98.548
5559	U70935	Peromyscus maniculatus reverse transcriptase	319	49.153
5560	S58722	Homo sapiens X-linked retinopathy protein {C-terminal, clone XEH.8c}	183	50.000
5561	AF119231	Homo sapiens histone acetyltransferase MORF beta	13919	99.904
5562	X02761	Homo sapiens fibronectin precursor	15293	99.057
5563	AJ011679	Homo sapiens Rab6 GTPase activating protein, GAPCenA	6605	99.321
5564	Y17816	Suberites domuncula cytochrome P450	600	28.838
5565	AF117754	Homo sapiens thyroid hormone receptor-associated protein complex component TRAP240	14559	99.724
5566	M58511	Homo sapiens iron-responsive element-binding protein/iron regulatory protein 2	6263	99.481
5567	X63652	Homo sapiens inter-alpha-trypsin inhibitor heavy chain ITIH1	5534	95.425
5568	AF128406	Homo sapiens prenyl-dependent prelamin A binding protein Narf	1757	82.030
5569	D87442	Homo sapiens KIAA0253	4348	96.783
5570	AF104413	Homo sapiens large tumor suppressor 1	7569	98.060
5571	D87078	Homo sapiens similar to D.melanogaster pumilio protein (S22026): similar to human KIAA0099 protein(D43951)	5451	98.595
5572	X02661	Homo sapiens 2-5A synthetase fragment (229 aa)	769	80.537
5573	Z15005	Homo sapiens CENP-E	16398	99.100
5574	AF132969	Homo sapiens CGI-35 protein	1230	98.387
5575	U79260	Homo sapiens unknown	400	74.194
5576	AJ243460	Leishmania major proteophosphoglycan	222	30.502
5577	M59216	Homo sapiens gamma-aminobutyric acid receptor beta-1 subunit	3077	99.578
5578	AC006069	Arabidopsis thaliana unknown protein	334	25.829
5579	D31884	Homo sapiens KIAA0063	562	54.301
5580	AF098799	Homo sapiens RanBP7/importin 7	6699	98.460
5581	AF093250	Homo sapiens P38IP	4675	99.184
5582	AF188706	Homo sapiens g20 protein	262	35.758
5583	AB029030	Homo sapiens KIAA1107 protein	8318	99.844
5584	D87446	Homo sapiens Similar to a C.elegans protein encoded in cosmid C27F2 (U40419)	11448	98.672
5585	AF047663	Caenorhabditis elegans W09G12.7 gene product	261	29.963
5586	X52138	Homo sapiens L7a protein	1499	92.593
5587	V00488	Homo sapiens alpha globin	434	70.093
5588	AF083107	Homo sapiens sirtuin type 2	1761	82.796
5589	AF151848	Homo sapiens CGI-90 protein	1863	94.937
5590	X79440	Homo sapiens NADP+-dependent malic enzyme	3291	90.879
5591	AC002398	Homo sapiens F25965.1	1075	74.477
5592	AJ011812	Homo sapiens transcription factor NRF	320	27.083
5593	AB023215	Homo sapiens KIAA0998 protein	7978	99.674
5594	AL031588	Homo sapiens dJ1163J1.3 (novel protein similar to mouse B99)	4350	97.896
5595	AF071070	Mus musculus protein kinase Myak-L	3927	95.556
5596	X81889	Homo sapiens p0071 protein	7433	96.478
5597	AL023828	Caenorhabditis elegans cDNA EST EMBL:M89008 comes from this gene; cDNA EST yk282d3.5 comes from this gene	735	37.752
5598	D83781	Homo sapiens the KIAA0197 gene is expressed ubiquitously.; the KIAA0197 protein has histidine acid phosphatase signature at amino	8491	98.627

		acid positions 1047-1061.		
5599	X99802	Homo sapiens ZYG homologue	4280	94.444
5600	AJ238248	Homo sapiens centaurin beta2	4569	94.891
5601	Y15164	Homo sapiens Cxorf5 (71-7A) protein	5882	97.544
5602	U53450	Rattus norvegicus Jun dimerization protein 1 JDP-1	257	50.000
5603	AP000060	Aeropyrum pernix 118aa long hypothetical protein	81	39.623
5604	M54788	Homo sapiens pyruvate dehydrogenase E1-beta subunit	1699	91.233
5605	AL117233	Homo sapiens hypothetical protein	4241	98.268
5606	M27826	Homo sapiens neutral protease large subunit	649	74.522
5607	AB020688	Homo sapiens KIAA0881 protein	4895	76.923
5608	U38253	Rattus norvegicus initiation factor eIF-2B gamma subunit	1471	87.153
5609	AF132938	Homo sapiens CGI-03 protein	3980	98.148
5610	AF055470	Homo sapiens ZNF258	4709	98.056
5611	Z78416	Unknown predicted using Genefinder; Similarity to S.pombe RAD18 gene (TR:E198069); cDNA EST CEESX52	787	24.825
5612	U51205	Homo sapiens HCOP9	1320	90.476
5613	M99375	Borna disease virus duplicated domain within paramyxovirus and rhabdovirus polymerase proteins, complete cds., gene product	724	39.402
5614	AL035307	Homo sapiens hypothetical protein	1068	55.220
5615	AF056929	Homo sapiens sarcosin	3750	98.325
5616	AF159164	Homo sapiens ankyrin repeat-containing protein ASB-2	3163	96.360
5617	AL117629	Homo sapiens hypothetical protein	496	42.471
5618	X89750	Homo sapiens TGIF protein	1520	93.116
5619	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	411	41.558
5620	AB020694	Homo sapiens KIAA0887 protein	2821	99.099
5621	AC003114	Arabidopsis thaliana T12M4.6	485	30.652
5622	AB029025	Homo sapiens KIAA1102 protein	5385	98.585
5623	AL080156	Homo sapiens hypothetical protein	575	35.714
5624	AB018289	Homo sapiens KIAA0746 protein	6654	96.609
5625	D38549	Homo sapiens hal025 is new	8361	96.796
5626	L77968	Ovis aries type II small proline-rich protein	100	32.468
5627	AB018276	Homo sapiens KIAA0733 protein	3382	87.960
5628	AL031534	Schizosaccharomyces pombe putative asparagine synthase	798	31.357
5629	AF131766	Homo sapiens Similar to Ena-VASP like protein	2266	98.898
5630	AL117665	Homo sapiens hypothetical protein	7681	95.211
5631	AF098066	Homo sapiens squamous cell carcinoma antigen recognized by T cell	6387	99.269
5632	AC007842	Homo sapiens BC331191 1	2054	49.922
5633	X05472	Rattus norvegicus ORF 2	159	39.394
5634	X70040	Homo sapiens tyrosine kinase	9361	99.572
5635	AC004983	Homo sapiens similar to PID:g3877944	2354	83.811
5636	Z83838	Homo sapiens GTPASE-ACTIVATING PROTEIN	1369	87.967
5637	X60036	Homo sapiens phosphate carrier protein	2195	78.431
5638	X89633	Saccharomyces cerevisiae tRNA isopentenyltransferase	710	34.813
5639	X06272	Homo sapiens docking protein	3891	97.488
5640	AJ238248	Homo sapiens centaurin beta2	4565	94.757
5641	AB007929	Homo sapiens KIAA0460 protein	6025	98.453
5642	AJ233591	Mus musculus reverse transcriptase	232	49.515
5643	Z81039	Unknown predicted using Genefinder; cDNA EST EMBL:T01209 comes from this gene; cDNA EST	258	34.706

		yk278a11.3		
5644	X89602	Homo sapiens rTSbeta	2599	94.313
5645	AL110218	Homo sapiens hypothetical protein	1038 5	99.249
5646	Z34278	Homo sapiens mucin	222	24.749
5647	AL117530	Homo sapiens hypothetical protein	814	37.594
5648	AJ243797	Homo sapiens deoxyribonuclease III (DNase III)	1940	97.368
5649	AF051325	Homo sapiens SH3 domain containing adaptor protein	225	26.603
5650	X73902	Homo sapiens nicein	8104	98.996
5651	AF019413	Homo sapiens complement component C4	1147 4	99.599
5652	X55777	Homo sapiens put. ORF	248	53.247
5653	X75888	Mus musculus cyclin E	2381	73.428
5654	AF055985	Onchocerca volvulus pyrrolidone-rich antigen	166	42.857
5655	X59512	Homo sapiens integrin alpha6 subunit	6161	94.161
5656	X78931	Homo sapiens zinc finger protein	1085	93.023
5657	AF093593	Homo sapiens snRNA activating protein complex 19kDa subunit	463	65.772
5658	X57527	Homo sapiens alpha 1(VIII) collagen	5463	98.925
5659	AF061939	Homo sapiens staufer protein	1273	46.346
5660	X61585	Bos taurus polynucleotide adenylyltransferase	4357	93.883
5661	AF083068	Homo sapiens NAD+ ADP-ribosyltransferase 2	3354	96.834
5662	X92485	Plasmodium vivax pval	329	58.889
5663	AB018308	Homo sapiens KIAA0765 protein	3935	98.658
5664	U58658	Homo sapiens unknown	267	58.537
5665	U39849	Caenorhabditis elegans similar to leucine-rich repeat regions of L. monocytogenes internalin and S. pombe SDS22	320	37.931
5666	AF151875	Homo sapiens CGI-117 protein	953	94.972
5667	U88180	Caenorhabditis elegans similar to molybdenum cofactor biosynthesis protein E	239	26.033
5668	U97553	murine herpesvirus 68 unknown	100	30.682
5669	M13100	Rattus norvegicus unknown protein	288	38.922
5670	L22030	Glycine max hydroxyproline-rich glycoprotein	196	34.314
5671	AB021660	Homo sapiens carbonic anhydrase VB	573	42.547
5672	AL021918	Homo sapiens b34I8.1 (Kruppel related Zinc Finger protein 184)	5228	98.936
5673	X60957	Homo sapiens receptor tyrosine kinase	7637	98.599
5674	AB020706	Homo sapiens KIAA0899 protein	5914	99.355
5675	X70764	Mus musculus serine/threonine protein kinase	683	51.149
5676	U43360	Peromyscus maniculatus reverse transcriptase	419	46.907
5677	S79410	Mus sp. nuclear localization signals (NLS)-binding protein=spot-1	145	47.170
5678	U52426	Homo sapiens GOK	1892	50.635
5679	AB005618	Gallus gallus chromobox protein (CHCB2)	381	72.340
5680	AE001448	Helicobacter pylori J99 THREONINE SYNTHASE	747	34.591
5681	AB018272	Homo sapiens KIAA0729 protein	7947	99.749
5682	Y18314	Homo sapiens paraplegin-like protein	5116	97.872
5683	AF072508	Homo sapiens envelope protein	272	34.483
5684	U76714	Rattus norvegicus cell adhesion regulator	2354	87.624
5685	X98259	Homo sapiens M-phase phosphoprotein 8	1232	75.735
5686	AL022316	Homo sapiens bK126B4.1 (novel protein)	268	60.759
5687	X86779	Homo sapiens FAST kinase	3431	95.848
5688	AL049848	Homo sapiens hypothetical protein	250	31.304
5689	AC006284	Arabidopsis thaliana putative ankyrin	267	39.189
5690	Z37139	Unknown similar to guanine nucleotide binding protein; cDNA EST EMBL:T00917 comes from this gene; c	431	33.469

5691	X61048	Hydra sp. mini-collagen	189	34.815
5692	AL032654	Caenorhabditis elegans similar to Heme-binding domain in cytochrome b5 and oxidoreductases	698	31.870
5693	X55686	Lycopersicon esculentum extensin (class II)	74	27.711
5694	AF036977	Homo sapiens unknown	2126	94.706
5695	U26743	Homo sapiens similar to the 87 kDa Torpedo acetylcholine receptor-associated protein; similar to human dystrophin-related protein, PIR Accession Number S03966	207	52.000
5696	AL050131	Homo sapiens hypothetical protein	265	39.548
5697	M12140	Homo sapiens envelope protein	2012	57.143
5698	U93567	Homo sapiens p40	404	33.115
5699	AF108843	Homo sapiens env protein	992	37.115
5700	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	352	52.308
5701	AC003979	Arabidopsis thaliana ESTs gb Z34075, gb Z34835 and gb AA404888 come from this gene.	613	41.045
5702	L06505	Homo sapiens ribosomal protein L12	586	71.429
5703	U79260	Homo sapiens unknown	347	66.327
5704	X07704	Homo sapiens Po protein	267	31.707
5705	M63835	Homo sapiens IgG Fc receptor I	2307	98.667
5706	K01075	synthetic construct circumsporozoite (CS) fusion prot (partial)	135	25.210
5707	M11902	Mus musculus proline-rich salivary protein	216	30.126
5708	AF126164	Homo sapiens alternative HHLA3 protein	432	69.091
5709	AF111106	Homo sapiens protein serine/threonine phosphatase 4 regulatory subunit 1	5431	92.596
5710	AF083107	Homo sapiens sirtuin type 2	1642	79.679
5711	U22818	Cricetulus griseus mutant sterol regulatory element binding protein-2	601	46.512
5712	AF069781	Drosophila melanogaster Bem46-like protein	820	42.284
5713	AL080119	Homo sapiens hypothetical protein	2454	96.203
5714	L27104	Bos sp. muscarinic receptor, M4 subtype	99	31.034
5715	Y14690	Homo sapiens procollagen alpha 2(V)	1081 7	97.933
5716	L34001	Homo sapiens ORF; putative	348	87.500
5717	U58755	Caenorhabditis elegans C34D4.11 gene product	156	36.207
5718	X82157	Homo sapiens hevin	3929	95.075
5719	U95098	Xenopus laevis mitotic phosphoprotein 44	1439	68.085
5720	X70944	Homo sapiens PTB-associated splicing factor	3439	83.062
5721	U66796	Homo sapiens laminin alpha 2 chain	2132 4	99.165
5722	M84379	Homo sapiens lymphocyte antigen	2011	84.946
5723	X65165	Volvox carteri extensin	352	33.852
5724	AF129085	Homo sapiens carboxy terminus of Hsp70-interacting protein	1864	96.066
5725	AP000060	Aeropyrum pernix 143aa long hypothetical protein	178	35.256
5726	X07881	Homo sapiens proline-rich protein G1	284	33.754
5727	U80848	Caenorhabditis elegans No definition line found	338	36.076
5728	AC002544	Homo sapiens Unknown gene product splice form-1	667	54.430
5729	Y09615	Homo sapiens mTERF	498	30.357
5730	AL050071	Homo sapiens hypothetical protein	2272	88.278
5731	AB018331	Homo sapiens KIAA0788 protein	7248	92.485
5732	Z98974	Schizosaccharomyces pombe putative vacuolar protein sorting-associated protein	244	42.708
5733	U37351	Mus musculus Paneth cell enhanced expression PCEE	777	77.005

5734	AJ249732	Homo sapiens G8 protein	792	90.000
5735	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	416	61.165
5736	X57110	Homo sapiens c-cbl protein	6141	98.677
5737	X86779	Homo sapiens FAST kinase	3487	96.926
5738	AL080318	Arabidopsis thaliana putative protein	757	40.456
5739	AF019413	Homo sapiens complement component C2	4106	93.054
5740	AF123881	multiple sclerosis associated retrovirus element gag polyprotein	256	37.129
5741	X55777	Homo sapiens put. ORF	243	52.326
5742	AF127142	Homo sapiens NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc-alpha-2,6-sialyltransferase alpha2,6-sialyltransferase	1633	87.742
5743	AF072506	Homo sapiens envelope protein precursor	3502	97.774
5744	X83413	Human herpesvirus 6 U88	555	43.719
5745	AJ010099	Homo sapiens NKp44RG1	230	29.500
5746	Y13374	Homo sapiens putative prenylated protein	1201	79.426
5747	U58658	Homo sapiens unknown	266	64.935
5748	D00189	Rattus norvegicus Na ⁺ ,K ⁺ -ATPase alpha-subunit	6543	98.422
5749	U10185	Xenopus laevis XPMC2 protein	1322	50.463
5750	U00043	Caenorhabditis elegans similar to beta-mannosyltransferase	682	45.627
5751	S62929	Homo sapiens PRB1L precursor protein=basic proline rich proteins (Ps, PmF, PmS, and Pe) precursor {C-terminal}	167	26.203
5752	Y16610	Homo sapiens paraplegin	5001	98.745
5753	AJ243460	Leishmania major proteophosphoglycan	173	26.923
5754	AC004473	Arabidopsis thaliana EST gb N37577 comes from this gene.	167	37.391
5755	K03208	Homo sapiens salivary proline-rich protein precursor	312	31.502
5756	M13100	Rattus norvegicus unknown protein	279	44.737
5757	AJ252550	Homo sapiens glycerol kinase	3363	97.744
5758	U09407	Rattus norvegicus putative protein kinase C inhibitor	500	57.353
5759	D87450	Homo sapiens Similar to D.melanogaster parallel sister chromatids protein	8232	96.243
5760	AL096753	Homo sapiens hypothetical protein	780	43.450
5761	X84909	Homo sapiens phosphorylase kinase	6934	93.910
5762	X52851	Homo sapiens peptidylprolyl isomerase	709	74.847
5763	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	509	42.484
5764	X94912	Homo sapiens Pr22	292	62.179
5765	Z25535	Homo sapiens nuclear pore complex protein hnup153	9276	97.427
5766	X57766	Homo sapiens stromelysin-3 precursor	3138	96.349
5767	AL117610	Homo sapiens hypothetical protein	3606	96.970
5768	X15311	Woolly monkey sarcoma virus reverse transcriptase (476 AA)	507	48.000
5769	AF023261	Human endogenous retrovirus K pol-env	628	48.469
5770	U78312	Mus musculus zinc finger protein	632	35.955
5771	X13293	Homo sapiens B-myb protein (AA 1-700)	4641	99.144
5772	Z96047	Caenorhabditis elegans DY3.6	491	28.718
5773	AB002363	Homo sapiens KIAA0365	5491	96.931
5774	M74027	Homo sapiens mucin	364	27.138
5775	D87469	Homo sapiens Similar to D.melanogaster cadherin-related tumor suppressor	16250	99.295
5776	AF145732	Homo sapiens endoplasmic reticulum alpha-mannosidase I	4511	99.397
5777	U48251	Homo sapiens protein kinase C-binding protein RACK7	3002	94.414

5778	M12240	human herpesvirus 1 infected cell protein	195	29.288
5779	X74764	Homo sapiens protein-tyrosine kinase	5477	96.636
5780	AF169346	Cavia porcellus pro-alpha-1 type 1 collagen	122	29.091
5781	X55686	Lycopersicon esculentum extensin (class II)	143	34.091
5782	AF121009	Mycobacterium tuberculosis H37Rv hypothetical protein Jv0534	222	28.814
5783	U04706	Bos taurus 50 kDa protein	2579	83.476
5784	AF092207	Rattus norvegicus unknown	1179	78.648
5785	X59892	Homo sapiens 471 aa polypeptide (gamma2)	2145	86.694
5786	AF065391	Homo sapiens ZIS1	627	81.618
5787	X55777	Homo sapiens put. ORF	241	61.194
5788	U29380	Caenorhabditis elegans No definition line found	343	33.654
5789	AJ245553	Homo sapiens AP4 protein	3145	84.722
5790	AF177203	Homo sapiens cerebral cell adhesion molecule	3328	96.731
5791	AF134726	Homo sapiens G9A	6856	99.800
5792	AF064205	Homo sapiens dynactin 1 p150 isoform	7889	98.753
5793	U21317	Caenorhabditis elegans No definition line found	184	46.835
5794	AF131743	Homo sapiens Unknown	515	67.153
5795	AF111178	Homo sapiens glypican-6	1733	93.357
5796	U97553	murine herpesvirus 68 unknown	141	37.736
5797	D87076	Homo sapiens similar to human bromodomain protein BR140 (JC2069)	2835	89.876
5798	M73491	Mus musculus N-acetylglucosaminyltransferase I	499	37.193
5799	AF128406	Homo sapiens prenyl-dependent prelamin A binding protein Narf	2058	81.028
5800	AF109126	Homo sapiens stromal cell-derived receptor-1 beta	2474	97.250
5801	U43360	Peromyscus maniculatus reverse transcriptase	246	37.714
5802	AF027826	Homo sapiens putative seven pass transmembrane protein	487	46.691
5803	M63438	Homo sapiens , gene product	1629	79.834
5804	U00059	Saccharomyces cerevisiae Yhr121wp	42	24.176
5805	AF090867	Rattus norvegicus guanosine monophosphate reductase	1749	70.694
5806	AF070588	Homo sapiens unknown	2218	95.122
5807	AF022985	Caenorhabditis elegans No definition line found	580	40.179
5808	AC004544	Homo sapiens cytochrome C oxidase; match to P14406 (PID:g117121)	547	88.119
5809	AF132937	Homo sapiens CGI-02 protein	4002	98.875
5810	Z37997	Saccharomyces cerevisiae orf, len: 360, CAI: 0.13, some similarity to gag polyproteins	278	23.711
5811	AJ011497	Homo sapiens Claudin-7	997	92.958
5812	X63563	Homo sapiens RNA polymerase II 140 kDa subunit	6432	91.221
5813	AF151825	Homo sapiens CGI-67 protein	1516	89.726
5814	AF067226	Homo sapiens cGMP phosphodiesterase A4	2920	94.553
5815	X62677	Oryctolagus cuniculus retrovirus related reverse transcriptase	238	54.622
5816	X89718	Sus scrofa 26S protease subunit	1472	67.981
5817	AF136587	Homo sapiens retinoic acid-induced protein	3449	98.120
5818	AL031187	Arabidopsis thaliana kinesin-related protein katA (fragment)	191	21.923
5819	AF062249	Homo sapiens immunoglobulin heavy chain variable region	627	84.167
5820	AF042386	Homo sapiens cyclophilin-33B	452	44.976
5821	D30747	Acropora donei mini-collagen	209	37.975
5822	AF036705	Unknown Similar to phytoene desaturase; coded	746	43.987

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5861	D49387	Homo sapiens NADP dependent leukotriene b4 12-hydroxydehydrogenase	1935	89.275
5862	U84371	Homo sapiens adenylate kinase 2A	876	64.664
5863	D83206	Mus musculus P24 protein	367	42.143
5864	AL050022	Homo sapiens hypothetical protein	649	33.555
5865	AL050267	Homo sapiens hypothetical protein	3956	96.825
5866	AF072506	Homo sapiens envelope protein precursor	3502	97.774
5867	U33460	Homo sapiens DNA-directed RNA polymerase I, largest subunit	11263	99.477
5868	X54326	Homo sapiens glutamyl-tRNA synthetase	9593	99.722
5869	S74562	Human T-cell lymphotropic virus type 1 Gag	267	24.924
5870	AF004107	Mus musculus unknown	1215	64.839
5871	AB030503	Mus musculus UBE-1a	518	36.728
5872	U58658	Homo sapiens unknown	210	52.381
5873	Z21487	Saccharomyces cerevisiae internal membrane protein	680	39.198
5874	S58722	Homo sapiens X-linked retinopathy protein {C-terminal, clone XEH.8c}	209	59.155
5875	X12966	Homo sapiens 3-oxoacyl-CoA thiolase propeptide (424 AA)	2434	92.056
5876	AF070660	Homo sapiens HSPC004	917	72.851
5877	AF071081	Mycobacterium tuberculosis proline-rich mucin homolog	334	26.977
5878	U59453	Macaca mulatta flavin-containing monooxygenase form 2	3483	96.449
5879	Z11773	Homo sapiens SRE-ZBP	2703	97.567
5880	X94754	Homo sapiens yeast methionyl-tRNA synthetase homolog	5178	95.710
5881	X63755	Homo sapiens high-sulphur keratin	178	30.481
5882	X61280	Oryza sativa hydroxyproline-rich glycoprotein	217	29.000
5883	M19419	Mus musculus proline-rich salivary protein	206	35.862
5884	J04670	Haemonchus contortus collagen 2c	143	31.690
5885	J03244	Bos taurus H+ ATPase 31kDa subunit (EC 3.6.1.3)	1006	75.664
5886	X95518	Mus musculus neuronal tyrosine threonine phosphatase 1	1647	46.696
5887	AB001322	Gallus gallus aminopeptidase H	1918	70.194
5888	X79510	Homo sapiens protein-tyrosine-phosphatase	7567	97.447
5889	AB000468	Homo sapiens zinc finger protein	550	52.198
5890	Z14016	Nicotiana tabacum pistil extensin like protein, partial CDS	180	32.787
5891	AF082302	Arabidopsis thaliana arabinogalactan-protein	164	37.778
5892	Z96047	Caenorhabditis elegans DY3.6	509	30.691
5893	AB008227	Adiantum capillus-veneris Extensin	201	36.000
5894	M36912	Zea mays cell wall protein (put.); putative	287	37.173
5895	Z66523	Caenorhabditis elegans similar to gamma-butyrobetaine,2-oxoglutarate dioxygenase	670	34.540
5896	L32610	Homo sapiens ribonucleoprotein	1734	94.757
5897	X55681	Lycopersicon esculentum extensin (class I)	202	31.250
5898	AL117615	Homo sapiens hypothetical protein	3855	96.082
5899	L17318	Rattus norvegicus proline-rich proteoglycan	264	30.137
5900	Y15228	Homo sapiens Leu2	415	84.444
5901	X60155	Homo sapiens zinc finger 41	5499	99.362
5902	AF098499	Caenorhabditis elegans No definition line found	291	37.500
5903	S58722	Homo sapiens X-linked retinopathy protein {C-terminal, clone XEH.8c}	294	72.059
5904	A06669	synthetic construct preTGF-beta1	2248	95.929
5905	AF159164	Homo sapiens ankyrin repeat-containing protein	3173	96.176

		ASB-2		
5906	Z98265	Homo sapiens plakophilin 3	4869	97.878
5907	AF140598	Homo sapiens ring-box protein 1	479	69.444
5908	X07881	Homo sapiens proline-rich protein G1	229	31.718
5909	AB030234	Canis familiaris D4 dopamine receptor	133	35.789
5910	Y15918	Homo sapiens COL1A1 and PDGFB fusion transcript	134	37.168
5911	J05592	Rattus norvegicus protein phosphatase inhibitor-1 protein	303	37.805
5912	M29297	Transposon Tn4556 unknown protein	225	36.000
5913	Y07867	Homo sapiens pirin	1552	93.197
5914	X59720	Saccharomyces cerevisiae YCL054w, len:841	1680	35.862
5915	X16899	Mus musculus SAP	671	52.821
5916	U06944	Mus musculus PRAJA1	1944	78.068
5917	AP000060	Aeropyrum pernix 143aa long hypothetical protein	166	34.167
5918	AE000789	Borrelia burgdorferi B. burgdorferi predicted coding region BBI16	250	26.259
5919	X03145	Homo sapiens pot. ORF V	210	37.864
5920	X63005	Mus musculus proline-rich protein	170	26.389
5921	AF072880	Homo sapiens SOCS box-containing WD protein SWiP-1	1942	47.826
5922	M36914	Zea mays cell wall protein (put.); putative	145	31.356
5923	AP000062	Aeropyrum pernix 141aa long hypothetical protein	151	38.843
5924	U79413	Bos taurus BSP30	520	37.849
5925	AF144477	Homo sapiens myotilin	3240	98.798
5926	U89336	Homo sapiens unknown	127	27.083
5927	X75042	Homo sapiens c-rel	3919	98.546
5928	AF036906	Homo sapiens LAT	188	33.621
5929	AB015630	Homo sapiens type II membrane protein	774	40.777
5930	AF181659	Drosophila melanogaster BcDNA.GM05306	1965	52.914
5931	X57812	Homo sapiens immunoglobulin lambda light chain	956	83.682
5932	Z49068	Unknown similar to GTP-binding protein; cDNA EST EMBL:M89111 comes from this gene; cDNA EST EMBL:D2	1048	40.373
5933	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	61	28.169
5934	U87408	Homo sapiens unknown	2156	85.144
5935	M15530	Homo sapiens B-cell growth factor	140	60.000
5936	M80596	Saccharomyces cerevisiae VAC1	231	24.918
5937	M19338	Oryctolagus cuniculus protein kinase delta	4637	96.011
5938	X55687	Lycopersicon esculentum extensin (class II)	128	37.179
5939	AF131851	Homo sapiens Unknown	365	38.235
5940	AJ133352	Homo sapiens ZNF237 protein	1644	70.681
5941	X97675	Homo sapiens plakophilin 2b	5249	96.288
5942	AC008075	Arabidopsis thaliana F24J5.4	178	29.714
5943	AC005581	Homo sapiens R31237 1, partial CDS	2485	80.235
5944	Y13141	Bromheadia finlaysoniana extensin	94	37.500
5945	AB002320	Homo sapiens KIAA0322	10065	98.403
5946	Z83128	Caenorhabditis elegans predicted using Genefinder; cDNA EST yk433e5.3 comes from this gene; cDNA EST yk433e5.5 comes from this gene; cDNA EST yk469e11.5 comes from this gene	250	23.929
5947	U79260	Homo sapiens unknown	361	74.684
5948	AL117481	Homo sapiens hypothetical protein	165	24.125
5949	X77055	Homo sapiens gp70 region of endogenous retro virus erv-10	242	37.500
5950	X85134	Homo sapiens RB protein binding protein	3538	98.887

5951	M30023	orf virus ORF2	193	35.135
5952	U16360	Homo sapiens caudal-type homeobox protein	172	34.127
5953	L36120	Medicago sativa proline rich protein	135	27.338
5954	AF061741	Homo sapiens retinal short-chain dehydrogenase/reductase retSDR1	1336	81.132
5955	AF000198	Caenorhabditis elegans Similar to cuticular collagen	229	32.843
5956	M17236	Homo sapiens MHC HLA-DQ alpha precursor	1375	94.186
5957	AF099505	Homo sapiens colon carcinoma related protein	2279	94.416
5958	AL021366	Homo sapiens cICK0721Q.5 (polypeptide from patented cDNA EMBL:E06811)	687	84.932
5959	X59656	Homo sapiens CRKL	2048	99.670
5960	X91012	Mus musculus alpha 3 type IX collagen	212	36.552
5961	D42044	Homo sapiens The ha3523 gene product is related to S.cerevisiae gene product located in chromosome III.	5690	99.449
5962	Z75166	Saccharomyces cerevisiae ORF YOR258w	195	28.505
5963	AL035453	Homo sapiens cB42E1.1 (PUTATIVE novel protein similar to various different known and predicted proteins)	163	29.839
5964	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	405	34.091
5965	Y13618	Homo sapiens abundant transcript	1718 3	99.727
5966	X69090	Homo sapiens 190kD protein	9483	99.243
5967	AL078468	Arabidopsis thaliana putative protein	821	37.681
5968	M28515	Mus musculus zinc finger protein mfg3 mRNA (put.); putative	308	28.030
5969	Z98046	Homo sapiens dJ1409.2 (Melanoma-Associated Antigen MAGE LIKE)	3060	92.869
5970	U31089	Homo sapiens Abl binding protein 3	2562	96.939
5971	AF044924	Homo sapiens hook2 protein	4561	96.496
5972	X12451	Homo sapiens pro-(cathepsin L)	1757	90.029
5973	D45371	Homo sapiens a novel adipose specific collagen-like factor, apM1 (adipose most abundant gene transcript 1)	327	31.818
5974	Y18046	Homo sapiens FGFR1 oncogene partner (FOP)	2466	98.030
5975	AF123320	Homo sapiens lymphocyte activation-associated protein	312	26.437
5976	L41270	Homo sapiens natural killer associated transcript 4	2781	89.451
5977	M11902	Mus musculus proline-rich salivary protein	333	36.986
5978	M12140	Homo sapiens pol gene protein; Xxx	184	55.714
5979	U79267	Homo sapiens unknown	360	43.713
5980	X56681	Homo sapiens junD protein	1750	88.701
5981	X97477	Rattus norvegicus NKR-PlB protein	303	33.663
5982	U41557	Caenorhabditis elegans proline and glycine-rich	345	28.816
5983	M19441	Mus musculus Kruppel-related protein	255	36.986
5984	AF071081	Mycobacterium tuberculosis proline-rich mucin homolog	738	29.891
5985	AF009666	multiple sclerosis associated retrovirus protease	179	35.294
5986	M82829	Homo sapiens fusion protein	4919	95.495
5987	Y14737	Homo sapiens immunoglobulin lambda heavy chain	2919	90.985
5988	AB023151	Homo sapiens KIAA0934 protein	9056	99.852
5989	Y00345	Homo sapiens polyA binding protein (AA 1-633)	554	54.106
5990	AF055985	Onchocerca volvulus pyrrolidone-rich antigen	102	34.247
5991	AF181640	Drosophila melanogaster BcDNA.GH09817	753	41.692
5992	X78929	Homo sapiens zinc finger protein	61	28.758

5993	AP000062	Aeropyrum pernix 141aa long hypothetical protein	151	38.843
5994	X79389	Homo sapiens glutathione transferase T1	1334	96.234
5995	U43701	Homo sapiens ribosomal protein L23a	793	84.516
5996	M99578	Homo sapiens 550 amino acids MW=61kDa, glycosylated=75 kDa; expressed on endothelium, activated lymphocytes and syncytiotrophoblast, contains leucine zipper and basic region homologous to myc; 721P	3531	95.130
5997	M12140	Homo sapiens envelope protein	1454	44.621
5998	AL117608	Homo sapiens hypothetical protein	331	42.400
5999	AE000446	Escherichia coli regulator protein for dgo operon	673	87.395
6000	X95677	Homo sapiens argBPIB	224	30.137
6001	Z67990	Caenorhabditis elegans similar to cuticle collagen	220	32.000
6002	M31013	Homo sapiens nonmuscle myosin heavy chain (NMHC)	4764	67.062
6003	AF083391	Homo sapiens putative WHSC1 protein	645	31.078
6004	U09848	Homo sapiens zinc finger protein	2109	99.689
6005	U00051	Caenorhabditis elegans coded for by C. elegans cDNA yk50b2.5; coded for by C. elegans cDNA CEESV26F; similar to lipases over a short region	903	29.872
6006	X07173	Homo sapiens trypsin inhibitor	6197	100.000
6007	AF061739	Homo sapiens unknown	1123	98.870
6008	AB016237	Oryctolagus cuniculus lectin-like oxidized LDL receptor	273	26.549
6009	X67156	Rattus norvegicus (S)-2-hydroxy-acid oxidase	1627	72.521
6010	U85481	Bos taurus glyceraldehyde-3-phosphate dehydrogenase like-17 protein	396	71.028
6011	AB011179	Homo sapiens KIAA0607 protein	4804	99.726
6012	Z29481	Homo sapiens 3-hydroxyanthranilic acid dioxygenase	1805	97.232
6013	AJ005566	Mus musculus SPR2H protein	161	38.667
6014	U28131	Homo sapiens novel transcript; similar to transcription factors activation domains; linked at 5' end to AT hook motif of HMGI-C; Method: conceptual translation supplied by author	171	49.206
6015	AB001452	Rattus rattus Sck	2805	86.920
6016	Y00644	Homo sapiens precursor polypeptide (AA -34 to 287)	1929	98.428
6017	AF151848	Homo sapiens CGI-90 protein	410	34.498
6018	AF095791	Homo sapiens TACC2 protein	4105	98.930
6019	M63274	Plasmodium falciparum malaria antigen	186	44.578
6020	S80864	Homo sapiens cytochrome c-like polypeptide	970	85.340
6021	AF161081	Homo sapiens activatory receptor PIRIIBeta	199	74.000
6022	AF151800	Homo sapiens CGI-41 protein	2945	99.115
6023	AL117496	Homo sapiens hypothetical protein	1092 1	99.046
6024	AJ011779	Homo sapiens SEC63 protein	4827	99.212
6025	X78933	Homo sapiens zinc finger protein	3469	99.590
6026	X01655	Homo sapiens type III procollagen (aa 892-1023)	170	34.400
6027	AF105332	Homo sapiens vitamin D3 receptor interacting protein	9085	99.345
6028	AF155113	Homo sapiens NY-REN-55 antigen	4902	96.370
6029	AL032821	Homo sapiens dJ55C23.1 (vanin 1)	3411	100.000

6030	X06562	Homo sapiens growth hormone receptor (AA 1-638)	4282	99.843
6031	M69181	Homo sapiens non-muscle myosin B	12358	99.545
6032	X61046	Hydra sp. mini-collagen	215	41.176
6033	X51798	Homo sapiens precursor	900	98.000
6034	AF084256	Homo sapiens beta glucuronidase isoform d	145	60.465
6035	AF152307	Homo sapiens protocadherin alpha 11	5459	89.053
6036	Y12711	Homo sapiens putative progesterone binding protein	939	90.955
6037	AB002330	Homo sapiens KIAA0332	6743	99.415
6038	AF106681	Homo sapiens ras-related GTP-binding protein	838	87.864
6039	AF083419	Homo sapiens calcium/calmodulin-dependent protein kinase II beta e subunit	3294	96.731
6040	AB020649	Homo sapiens KIAA0842 protein	6812	99.510
6041	AF123880	multiple sclerosis associated retrovirus element unknown protein U5/1	297	75.758
6042	AB002306	Homo sapiens KIAA0308	8346	99.692
6043	X06745	Homo sapiens DNA polymerase alpha-subunit (AA 1 - 1462)	9630	99.183
6044	AF028827	Homo sapiens Tax interaction protein 40	1520	99.567
6045	X71428	Homo sapiens FUS glycine rich protein	3601	95.336
6046	D86984	Homo sapiens similar to yeast adenylate cyclase (S56776)	3034	99.580
6047	AF151877	Homo sapiens CGI-119 protein	1545	99.598
6048	AF165124	Homo sapiens gamma-aminobutyric acid A receptor gamma 2	3150	99.786
6049	AF110267	Rattus norvegicus golgi stacking protein homolog GRASP55	2305	85.092
6050	AF084530	Homo sapiens cyclin-D binding Myb-like protein	4818	99.213
6051	U82319	Homo sapiens novel ORF	382	92.754
6052	AB007922	Homo sapiens KIAA0453 protein	6946	99.905
6053	Y00816	Homo sapiens CR1 precursor protein	14722	99.461
6054	X52053	Homo sapiens HP-1 (AA 1-94)	244	86.842
6055	AJ238764	Homo sapiens UDP-N-acetylglucosamine-2-epimerase / N-acetylmannosamine kinase	4603	98.483
6056	L10908	Mus musculus Gcap1 gene product	167	34.568
6057	AB002312	Homo sapiens KIAA0314	8357	99.919
6058	X51798	Homo sapiens precursor	900	98.000
6059	AF123534	Homo sapiens nucleolar protein NOP5/NOP58	3278	100.000
6060	AJ223948	Homo sapiens RNA helicase	8270	99.523
6061	X66276	Homo sapiens C protein	7583	99.824
6062	X67055	Homo sapiens inter-alpha-trypsin inhibitor heavy chain H3	5715	99.774
6063	Y08612	Homo sapiens 88kDa nuclear pore complex protein	4897	99.595
6064	M13442	Mus musculus alpha-tubulin isotype M-alpha-6	2922	98.667
6065	X59864	Rattus rattus ORF	467	57.407
6066	AB014597	Homo sapiens KIAA0697 protein	6439	99.897
6067	AF129756	Homo sapiens BAT4	2409	99.719
6068	AF131775	Homo sapiens Unknown	2239	98.387
6069	AL109701	Homo sapiens PTD014	1228	100.000
6070	AF187305	Myxine glutinosa calmodulin	396	45.270
6071	X52966	Homo sapiens ribosomal protein L35a (AA 1-110)	485	75.000
6072	X15954	Homo sapiens mannose binding protein	1597	100.000
6073	X78990	Mus musculus testin	2504	91.582
6074	AB011139	Homo sapiens KIAA0567 protein	6325	99.080
6075	AF153606	Homo sapiens angiopoietin-related protein	2754	100.000

6076	Z98885	Homo sapiens dJ522J7.2 (Peregrin (BR140) LIKE protein)	7051	99.623
6077	L76571	Homo sapiens nuclear hormone receptor	1750	99.609
6078	AF036145	Homo sapiens meningioma-expressed antigen 5	5242	99.748
6079	D87685	Homo sapiens similar to human transcription factor TFIIS (S34159).	1137 2	99.942
6080	D80007	Homo sapiens similar to hypothetical protein YM9959.11C of S.cerevisiae.	1210 9	99.893
6081	D88769	Mus musculus latexin	1275	84.685
6082	X56807	Homo sapiens desmocollin type 2a	5633	99.650
6083	X78710	Homo sapiens metal-regulatory transcription factor	5075	100.000
6084	AL050258	Homo sapiens hypothetical protein	5719	100.000
6085	AF141289	Homo sapiens bo,+ amino acid transporter; bo,+AT	3107	100.000
6086	X15512	Rattus norvegicus apolipoprotein CI, preprotein	147	45.349
6087	AC002464	Homo sapiens organic cation transporter; 50% similarity to JC4884 (PID:g2143892)	2977	99.344
6088	AL050272	Homo sapiens hypothetical protein	854	95.522
6089	AB023147	Homo sapiens KIAA0930 protein	2197	99.425
6090	X15652	Cricetulus longicaudatus N-ethylmaleimide sensitive fusion protein	4788	97.872
6091	AL022329	Homo sapiens bK407F11.2 (adrenergic, beta, receptor kinase 2)	4647	99.855
6092	AF087438	Homo sapiens protein phosphatase 2 subunit A isoform beta	3799	99.834
6093	L11702	Homo sapiens phospholipase D	5659	99.881
6094	AL110160	Homo sapiens hypothetical protein	1460	100.000
6095	X95586	Homo sapiens proteasome	1730	100.000
6096	AB011149	Homo sapiens KIAA0577 protein	6750	99.904
6097	M34449	Homo sapiens complement receptor 1	859	78.882
6098	X63564	Homo sapiens RNA polymerase II largest subunit	1313 8	99.493
6099	AJ006984	Capsicum annuum proline-rich protein	199	35.052
6100	AF111162	Homo sapiens guanine nucleotide exchange factor	1206 6	99.568
6101	AJ245600	Homo sapiens hypothetical protein	3243	100.000
6102	X95762	Homo sapiens Aminopeptidase P-like	4163	99.839
6103	AL110469	Schizosaccharomyces pombe hypothetical protein	872	45.833
6104	L36531	Homo sapiens integrin alpha 8 subunit	6712	98.254
6105	X98296	Homo sapiens ubiquitin hydrolase	1709 3	99.451
6106	Z97074	Homo sapiens p40	2279	93.651
6107	M16973	Homo sapiens complement protein C8 beta subunit precursor	4125	100.000
6108	AL117646	Homo sapiens hypothetical protein	1877	100.000
6109	X82200	Homo sapiens gpStaf50	2904	98.655
6110	AB011139	Homo sapiens KIAA0567 protein	6345	99.080
6111	AL117496	Homo sapiens hypothetical protein	1092 1	99.046
6112	AL110219	Homo sapiens hypothetical protein	3897	99.180
6113	X97065	Homo sapiens Sec23 protein	5155	99.739
6114	X80909	Homo sapiens Nascent polypeptide associated complex alpha subunit	1267	97.727
6115	M64982	Homo sapiens fibrinogen alpha-E chain	5694	98.274
6116	X66363	Homo sapiens serine/threonine protein kinase	3213	98.413
6117	Z83067	Homo sapiens FAA	9638	99.794
6118	U19617	Mus musculus Elf-1	3289	87.279

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6168	X80821	Homo sapiens ribosomal protein L18a homologue	493	67.097
6169	AF009243	Homo sapiens proline-rich Gla protein 2	1235	96.078
6170	D90912	Synechocystis sp. melibiose carrier protein	446	25.094
6171	AF132948	Homo sapiens CGI-14 protein	2371	93.659
6172	AB007941	Homo sapiens KIAA0472 protein	2468	100.000
6173	X98248	Homo sapiens sortilin	5527	99.040
6174	AL031320	Homo sapiens dJ20N2.5 (novel protein similar to fucosidase, alpha-L-1, tissue (EC 3.2.1.51, alpha-l-fucosidase fucohydrolase))	3276	100.000
6175	AJ132637	Homo sapiens ATP-dependent metalloprotease YME1L	4546	98.884
6176	AL121742	Homo sapiens hypothetical protein	3861	98.795
6177	AF176903	Mus musculus sprouty 1	1900	83.072
6178	AJ243310	Homo sapiens C14orf3 protein	449	34.451
6179	L00073	Homo sapiens renin	2525	96.078
6180	X17459	Mus musculus J kappa RS-binding protein	3205	94.626
6181	X78669	Homo sapiens EF-hand protein	2116	100.000
6182	AF129112	Homo sapiens vanilloid receptor-like protein 1	5045	99.869
6183	D80010	Homo sapiens KIAA0188	5933	99.889
6184	X98411	Homo sapiens myosin-IE	5014	96.561
6185	AF036718	Homo sapiens FGFR signalling adaptor SNT-2	3454	99.593
6186	AF106934	Homo sapiens vitamin D receptor-interacting protein	5502	97.605
6187	AF078164	Homo sapiens Ku70-binding protein	1939	99.303
6188	AJ005801	Homo sapiens PP2C	3041	98.337
6189	X59244	Homo sapiens ZNF43	5421	96.766
6190	X61100	Homo sapiens 75 kDa subunit NADH dehydrogenase precursor	4727	99.450
6191	X06026	Homo sapiens T-cell receptor T3 gamma chain	1012	92.432
6192	D63480	Homo sapiens The KIAA0146 gene product is novel.	6100	99.673
6193	AB014543	Homo sapiens KIAA0643 protein	2336	99.505
6194	S58544	Homo sapiens 75 kda infertility-related sperm protein	3192	98.603
6195	AF117888	Homo sapiens myosin-IXa	16678	99.804
6196	AL110265	Homo sapiens hypothetical protein	941	100.000
6197	X14968	Homo sapiens RII-alpha subunit (AA 1-404)	2607	99.753
6198	AL050283	Homo sapiens hypothetical protein	2476	100.000
6199	U49082	Homo sapiens transporter protein	1229	50.256
6200	D00596	Homo sapiens thymidylate synthase	412	88.000
6201	AF151830	Homo sapiens CGI-72 protein	2621	96.706
6202	AF090990	Homo sapiens high-risk human papilloma viruses E6 oncoproteins targeted protein E6TP1 beta; putative GAP protein beta	11865	99.945
6203	U96113	Homo sapiens WWP1	4660	99.706
6204	X63547	Homo sapiens oncogene	7209	95.133
6205	AJ011863	Homo sapiens homeobox protein LSX	4739	97.775
6206	AF151905	Homo sapiens CGI-147 protein	1124	100.000
6207	D50912	Homo sapiens The KIAA0122 gene product is novel.	6658	99.604
6208	X92493	Homo sapiens STM-7	3389	99.630
6209	L29218	Homo sapiens clk2; putative	3071	92.885
6210	X63465	Homo sapiens smg GDS	3435	99.641
6211	D42043	Homo sapiens The ha2022 gene product is novel.	4308	100.000
6212	U40739	Homo sapiens cyclin C	2031	99.670
6213	AF140360	Homo sapiens histone acetyltransferase	3989	99.673
6214	U44803	Rattus norvegicus ovarian-specific protein	1337	78.431
6215	Y09723	Homo sapiens Miz-1 protein	5439	99.751

6216	Y15054	Rattus norvegicus 70 kD tumor-specific antigen	2127	82.292
6217	AL096880	Homo sapiens hypothetical protein	4132	99.190
6218	AF078853	Homo sapiens NPD001	871	100.000
6219	AB011167	Homo sapiens KIAA0595 protein	9955	99.932
6220	AF053628	Mus musculus D3Mm3e	1919	87.463
6221	D13744	Holotrichia diomphalia holotricin 3	111	46.939
6222	AF143815	Bos taurus ribosomal protein	1431	98.605
6223	X98507	Homo sapiens myosin I beta	6636	98.444
6224	AF132962	Homo sapiens CGI-28 protein	2087	99.678
6225	AF151891	Homo sapiens CGI-133 protein	924	99.338
6226	U39205	Saccharomyces cerevisiae Lpel0p	352	26.934
6227	AF155099	Homo sapiens NY-REN-18 antigen	3935	100.000
6228	AF092137	Homo sapiens FK506-binding protein	1478	99.099
6229	AL035297	Homo sapiens hypothetical protein	666	61.310
6230	AJ225089	Homo sapiens 2'-5' oligoadenylate synthetase (p59OAS)	3192	98.641
6231	K01747	Homo sapiens actin prepeptide	2143	98.788
6232	L48211	Homo sapiens angiotensin II receptor	451	98.592
6233	Z81326	Homo sapiens neuroserpin	2615	100.000
6234	X66357	Homo sapiens serine/threonine protein kinase	1975	99.016
6235	Y09561	Homo sapiens ATP receptor	4140	99.832
6236	AB007864	Homo sapiens KIAA0404	1318 4	99.796
6237	X93996	Homo sapiens AFX	3338	99.002
6238	AB004884	Homo sapiens PKU-alpha	4563	98.194
6239	AL022326	Homo sapiens dJ333H23.2.3 (Synaptogyrin 1C (SYNGR1C))	1088	89.552
6240	D87682	Homo sapiens similar to a C.elegans protein encoded in cosmid T26A5.	3297	99.808
6241	AF144237	Homo sapiens LOMP protein	5228	99.875
6242	AF099149	Homo sapiens TRIAD1 type I	3454	98.008
6243	AL050331	Homo sapiens dJ486I3.1 (novel protein)	1856	99.640
6244	M14660	Homo sapiens ISG-K54	3067	99.788
6245	X06661	Homo sapiens calbindin (AA 1-261)	1697	100.000
6246	AJ001306	Homo sapiens PDZ domain protein	9914	100.000
6247	X98657	Homo sapiens lipopolysaccharide binding protein	3070	99.792
6248	AL117637	Homo sapiens hypothetical protein	2838	100.000
6249	AF094609	Rattus norvegicus fertility related protein WMP1	2042	63.553
6250	Z99109	Bacillus subtilis similar to glycerophosphodiester phosphodiesterase	121	23.529
6251	AF151894	Homo sapiens CGI-136 protein	679	82.000
6252	AB014527	Homo sapiens KIAA0627 protein	8132	99.153
6253	X96618	Mus musculus novel stromal cell protein	975	78.109
6254	X76104	Homo sapiens DAP-kinase	9494	99.651
6255	AC008044	Homo sapiens ABH	2629	100.000
6256	X86691	Homo sapiens Mi-2 protein	1266 3	99.582
6257	AF177346	Mus musculus PLIC-2	3513	86.427
6258	AB020315	Homo sapiens homologue of mouse dkk-1 gene:Acc# AF030433	1876	100.000
6259	AF045459	Homo sapiens Etk/Bmx cytosolic tyrosine kinase	4549	97.714
6260	U67934	Homo sapiens 44.9 kDa protein C18B11 homolog	1200	98.942
6261	AB023173	Homo sapiens KIAA0956 protein	4409	100.000
6262	AF011359	Bos taurus regulator of G-protein signaling 7	3129	99.147
6263	AB011150	Homo sapiens KIAA0578 protein	8781	98.113
6264	AB018327	Homo sapiens KIAA0784 protein	7154	99.720
6265	AB018314	Homo sapiens KIAA0771 protein	6199	99.473

6311	AF168418	Homo sapiens activating signal cointegrator 1	3862	99.139
6312	AL096713	Homo sapiens hypothetical protein	9330	98.535
6313	X69151	Homo sapiens vacuolar proton-ATPase	2356	97.396
6314	U20239	Mus musculus fibrosin	399	80.000
6315	AF124251	Homo sapiens SH2-containing protein Nsp3	4516	99.276
6316	M13755	Homo sapiens 17-kDa protein	1018	98.182
6317	X05562	Homo sapiens alpha-2 chain precursor (AA -25 to 1018) (3416 is 2nd base in codon)	7809	99.617
6318	U58337	Mus musculus ligatin	2997	80.070
6319	X54131	Homo sapiens protein-tyrosine phosphatase	1313 6	99.650
6320	AF153612	Homo sapiens peroxisomal D3,D2-enoyl-CoA isomerase	2137	97.778
6321	AF072441	Homo sapiens calcineurin binding protein cabin 1	1476 7	100.000
6322	AL049487	Arabidopsis thaliana hypothetical protein	253	31.364
6323	AP000367	Oryza sativa ESTs AU070372(S13446),AU075541(S0353) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC002292)	395	37.981
6324	D42046	Homo sapiens The ha3631 gene product is related to S.cerevisiae protein encoded in chromosome VIII.	6997	99.443
6325	D50926	Homo sapiens The KIAA0136 gene product is novel.	6073	99.685
6326	AF125188	Homo sapiens adenosine deaminase acting on tRNA 1	3363	99.402
6327	U03416	Rattus norvegicus neuronal olfactomedin-related ER localized protein	2446	96.401
6328	AB011178	Homo sapiens KIAA0606 protein	5699	99.884
6329	AF134726	Homo sapiens G7A	8155	97.792
6330	L22031	Glycine max hydroxyproline-rich glycoprotein	188	36.697
6331	AC004142	Homo sapiens similar to murine leucine-rich repeat protein; possible role in neural development by protein-protein interactions; 93% similarity to D49802 (PID:gl369906)	4613	99.858
6332	X86018	Homo sapiens mufl	4040	99.673
6333	U13070	Caenorhabditis elegans No definition line found	610	44.749
6334	AB018271	Homo sapiens KIAA0728 protein	6896	100.000
6335	AF176039	Homo sapiens high mobility group protein-R	1254	89.055
6336	X80590	Homo sapiens phosphorylase kinase	2503	100.000
6337	AB002318	Homo sapiens KIAA0320	5828	99.684
6338	AL050258	Homo sapiens hypothetical protein	5719	100.000
6339	AF070598	Homo sapiens ABC transporter	3208	98.047
6340	AL021396	Homo sapiens dJ971N18.2	1679	100.000
6341	S72462	Homo sapiens beta-glucuronidase	255	64.615
6342	U04520	Homo sapiens type IV collagen a5 chain	1283 0	100.000
6343	AF160728	Homo sapiens sex comb on midleg-like-1 protein	1391	100.000
6344	AF031588	Homo sapiens WASP interacting protein	3688	99.801
6345	AF006751	Homo sapiens ES/130	6050	99.898
6346	X52127	Mus musculus domesticus testis-specific protein, clone 46	975	38.173
6347	AL031259	Homo sapiens PDCD2 (PROGRAMMED CELL DEATH-2/RP8 HOMOLOG)	2442	100.000
6348	AJ224945	Xenopus laevis groucho protein	4757	96.229
6349	A47490	unidentified HUMAN OBF-1	1698	98.828

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6394	X03528	Homo sapiens lambda L-chain C region	588	87.736
6395	AF039697	Homo sapiens antigen NY-CO-31	1580	97.414
6396	AF093543	Homo sapiens transforming acidic coiled-coil containing protein 3	5319	99.404
6397	AF096160	Homo sapiens protein phosphatase 2A BR gamma subunit	2686	99.294
6398	AJ222801	Homo sapiens neutral sphingomyelinase	2675	97.887
6399	L39061	Homo sapiens transcription factor SL1	3745	99.639
6400	AB002293	Homo sapiens KIAA0295	6494	99.898
6401	AC004774	Homo sapiens Dlx-5	1950	100.000
6402	AF151863	Homo sapiens CGI-105 protein	2052	97.771
6403	AF065215	Homo sapiens cytosolic phospholipase A2 beta	6677	99.306
6404	AJ005892	Homo sapiens JM23	2079	95.482
6405	U47634	Homo sapiens beta-tubulin	2892	97.517
6406	M13442	Mus musculus alpha-tubulin isotype M-alpha-6	2942	98.667
6407	AB014574	Homo sapiens KIAA0674 protein	7874	99.354
6408	AF030001	Mus musculus unknown	1499	71.510
6409	X75621	Homo sapiens tuberin	1155 1	99.006
6410	AF169548	Homo sapiens gamma-synergin	8623	99.924
6411	X90530	Homo sapiens ragB	2426	99.465
6412	AF104923	Homo sapiens putative transcription factor	5936	96.013
6413	AF151896	Homo sapiens CGI-138 protein	1000	99.346
6414	AF151873	Homo sapiens CGI-115 protein	1628	100.000
6415	AL050276	Homo sapiens hypothetical protein	4457	99.850
6416	AL080157	Homo sapiens hypothetical protein	2850	99.533
6417	AF077033	Homo sapiens putative ATP-dependent RNA helicase ROK1	3791	99.165
6418	Z99707	Arabidopsis thaliana methionyl aminopeptidase-like protein	904	53.069
6419	Z48570	Homo sapiens Sp17	961	100.000
6420	Z81053	Unknown predicted using Genefinder; Similarity to Yeast mitochondrial ribosomal protein S5 (SW:RT05	455	33.129
6421	X15306	Homo sapiens heavy neurofilament subunit	6271	98.150
6422	AB007884	Homo sapiens KIAA0424	3501	99.806
6423	AB018323	Homo sapiens KIAA0780 protein	7519	99.909
6424	Z97992	Schizosaccharomyces pombe conserved hypothetical protein	403	33.096
6425	AF132950	Homo sapiens CGI-16 protein	2625	99.750
6426	AF042713	Rattus norvegicus neurexophilin 3	1675	95.635
6427	U53366	Oncorhynchus mykiss terminal deoxynucleotidyl transferase	620	43.866
6428	AB018303	Homo sapiens KIAA0760 protein	8254	99.503
6429	X83573	Homo sapiens ARSE	4104	99.321
6430	AJ243274	Homo sapiens AP-2rep protein	2454	94.828
6431	AF151838	Homo sapiens CGI-80 protein	2128	100.000
6432	AL035608	Homo sapiens dJ479J7.1 (similar to CHONDROMODULIN-1)	1791	100.000
6433	AF051240	Picea mariana probable ubiquitin-conjugating enzyme E2	680	48.598
6434	AF153606	Homo sapiens angiopoietin-related protein	2754	100.000
6435	AF151904	Homo sapiens CGI-146 protein	778	74.869
6436	X83973	Homo sapiens transcription factor	5570	99.548
6437	AL080169	Homo sapiens hypothetical protein	1135	94.536
6438	AF130367	Mus musculus Fas-apoptosis inhibitory molecule	1029	90.395
6439	M63193	Homo sapiens endothelial cell growth factor	801	72.917
6440	AF151810	Homo sapiens CGI-52 protein	2256	99.721
6441	AL022237	Homo sapiens bK1191B2.3.1 (PUTATIVE novel Acyl	1620	75.819

		Transferase similar to C. elegans C50D2.7) (isoform 1)		
6442	Z67743	Homo sapiens CLC-7 chloride channel protein	5148	99.620
6443	L14610	Rattus norvegicus transcription factor	3065	96.281
6444	AF006264	Homo sapiens hHR21spB	3324	98.543
6445	Z92825	Unknown predicted using Genefinder; Similarity to Yeast low-afinity glucose transporter HXT4 (PS:32	1178	42.576
6446	AJ006266	Homo sapiens AND-1 protein	7551	100.000
6447	AF151908	Homo sapiens CGI-150 protein	3180	99.405
6448	AF093744	Homo sapiens unknown	293	100.000
6449	AF180919	Homo sapiens RNA lariat debranching enzyme	3611	99.816
6450	AF100750	Homo sapiens SLAP-2 homolog	2697	91.616
6451	S41204	Mus sp. H beta 58=essential for embryogenesis	1141	58.537
6452	Z83844	Homo sapiens dJ37E16.4 (similar to mouse p116Rip protein)	1515	98.062
6453	X83378	Homo sapiens putative chloride channel	5711	99.541
6454	AL110240	Homo sapiens hypothetical protein	916	98.571
6455	A69608	unidentified unnamed protein product	3965	99.353
6456	AF153192	Homo sapiens ras-related protein	1827	100.000
6457	AB029031	Homo sapiens KIAA1108 protein	4913	99.737
6458	D79994	Homo sapiens similar to ankyrin of Chromatium vinosum.	8478	99.847
6459	AL050149	Homo sapiens hypothetical protein	3634	98.599
6460	AB018301	Homo sapiens KIAA0758 protein	6455	99.595
6461	AB008376	Sus scrofa 17-kDa PKC-potentiated inhibitory protein of PP1	798	87.248
6462	AB028991	Homo sapiens KIAA1068 protein	2343	100.000
6463	U58658	Homo sapiens unknown	275	60.227
6464	AB023190	Homo sapiens KIAA0973 protein	1044 6	99.369
6465	AB018295	Homo sapiens KIAA0752 protein	2139	100.000
6466	AL050015	Homo sapiens hypothetical protein	1245	100.000
6467	AF124512	Homo sapiens BVES	259	39.130
6468	AC004531	Homo sapiens Gene with similaity to DEAD box helicases	3400	99.076
6469	A12142	synthetic construct IFN-pseudo-omega 2	987	99.351
6470	AF065215	Homo sapiens cytosolic phospholipase A2 beta	6677	99.306
6471	U31629	Mus musculus unknown	1855	94.257
6472	Z82268	Caenorhabditis elegans cDNA EST yk478b4.5 comes from this gene; cDNA EST EMBL:D74716 comes from this gene; cDNA EST yk456b12.5 comes from this gene; cDNA EST EMBL:T00892 comes from this gene	393	26.519
6473	M32317	Homo sapiens HLA protein allele B7	2284	97.245
6474	X07384	Homo sapiens GLI protein (AA 1-1106)	7827	99.910
6475	AJ000327	Homo sapiens adrenoleukodystrophy related protein	4340	99.112
6476	AL031228	Homo sapiens dJ1033B10.10 (membrane protein with histidine rich charge clusters (HKE4, RINGS5))	544	38.973
6477	Y11395	Homo sapiens seventransmembrane-domain protein	2638	99.250
6478	L24444	Homo sapiens DNA repair protein	175	35.294
6479	AB020630	Homo sapiens KIAA0823 protein	2479	96.154
6480	AF062655	Mus musculus plenty-of-prolines-101; POP101; SH3-philo-protein	5466	92.705
6481	AF035178	Oryctolagus cuniculus elongation factor 1 A2	3013	99.784
6482	L10244	Mus musculus spermidine/spermine N1- acetyltransferase	548	47.059

6483	AL031228	Homo sapiens dJ1033B10.3 (GalT3 (beta3-Galactosyltransferase))	2521	99.208
6484	AC003965	Homo sapiens SP001LA	456	33.740
6485	AF151821	Homo sapiens CGI-63 protein	2425	99.464
6486	Z24680	Homo sapiens garp	4207	100.000
6487	AL117429	Homo sapiens hypothetical protein	1320	100.000
6488	U73585	Bos taurus Fanconi anemia group C protein	2586	73.488
6489	AF155105	Homo sapiens putative zinc finger protein NY-REN-34 antigen	404	100.000
6490	AF078165	Homo sapiens conductin	5558	98.935
6491	AF038844	Homo sapiens MKP-1 like protein tyrosine phosphatase	205	56.061
6492	U69127	Homo sapiens FUSE binding protein 3	3989	99.497
6493	U79304	Homo sapiens unknown	2190	96.953
6494	X17094	Homo sapiens furin (AA 1-794)	5413	99.874
6495	AF100745	Homo sapiens PTD016 protein	1286	99.497
6496	AF073344	Homo sapiens ubiquitin-specific protease 3	3533	99.616
6497	AB007918	Homo sapiens KIAA0449 protein	4931	99.735
6498	X68561	Homo sapiens SPR-1	5000	99.745
6499	AF056116	Fugu rubripes unknown	1934	66.596
6500	AB014547	Homo sapiens KIAA0647 protein	7086	99.902
6501	AB002360	Homo sapiens KIAA0362	7335	99.278
6502	X81788	Homo sapiens ICT1 protein	1320	99.034
6503	AL023839	Caenorhabditis elegans similar to HECT-domain (ubiquitin-transferase).; cDNA EST yk480d10.5 comes from this gene; cDNA EST yk531b3.3 comes from this gene; cDNA EST yk196d10.5 comes from this gene	2005	36.396
6504	AB014593	Homo sapiens KIAA0693 protein	2598	96.543
6505	S70011	Rattus sp. tricarboxylate carrier	1156	55.732
6506	Z99709	Caenorhabditis elegans C47B2.2b	670	51.961
6507	X97065	Homo sapiens Sec23 protein	5155	99.739
6508	AF107834	Homo sapiens aminopeptidase	2968	98.943
6509	L38709	Mesocricetus auratus orf	1847	71.968
6510	AB018318	Homo sapiens KIAA0775 protein	191	26.935
6511	D12816	Bos taurus actin2	2597	90.670
6512	AF072733	Homo sapiens putative secreted protein	1550	80.831
6513	AL080141	Homo sapiens hypothetical protein	6209	99.891
6514	L29554	Rattus norvegicus alpha 2,6-sialyltransferase	745	42.629
6515	AJ011654	Homo sapiens triple LIM domain protein	4277	98.703
6516	X03528	Homo sapiens lambda L-chain C region	588	87.736
6517	AF151819	Homo sapiens CGI-61 protein	2063	94.022
6518	AB011148	Homo sapiens KIAA0576 protein	7231	99.349
6519	K02882	Homo sapiens immunoglobulin delta-chain	2480	98.695
6520	U88567	Mus musculus secreted frizzled related protein sFRP-2	1911	97.627
6521	X07979	Homo sapiens integrin beta 1 subunit precursor	5368	97.378
6522	L76200	Homo sapiens guanylate kinase	1202	95.610
6523	AB017332	Homo sapiens Aurora/Ipl1-related kinase 3	1924	99.655
6524	AB007902	Homo sapiens HH0712 cDNA clone for KIAA0442 has a 574-bp insertion at position 1474 of the sequence of KIAA0442.	8176	99.659
6525	X59727	Homo sapiens 63kDa protein kinase	3602	98.925
6526	Y00291	Homo sapiens hap protein	2971	99.777
6527	AB024057	Homo sapiens vascular Rab-GAP/TBC-containing protein	5910	99.666
6528	AJ228139	Homo sapiens LEKTI precursor	7301	99.436
6529	A16794	Homo sapiens cDNA isolated for this protein using a monoclonal antibody directed against	1740	100.000

		the p27k prosomal protein		
6530	X78873	Homo sapiens inhibitor 2	1304	99.512
6531	AJ005895	Homo sapiens protein translocase	1033	97.110
6532	AJ224819	Homo sapiens tumor suppressor	2561	97.066
6533	D29958	Homo sapiens KIAA0116	1252	88.255
6534	AB011154	Homo sapiens KIAA0582 protein	3020	99.782
6535	X51985	Homo sapiens LAG-3 protein precursor	3603	99.619
6536	Y07595	Homo sapiens transcription factor TFIIH	2845	98.491
6537	AB002631	Homo sapiens collectin 34	933	50.598
6538	AC007017	Arabidopsis thaliana putative RNA helicase A	2366	42.857
6539	AF052052	Homo sapiens unknown	812	82.209
6540	AJ245738	Homo sapiens claudin-15	1447	98.673
6541	AF159092	Homo sapiens syld709613 protein	2333	96.226
6542	AL109652	Schizosaccharomyces pombe hypothetical protein	773	44.884
6543	D14480	Rattus norvegicus calpain	2325	86.856
6544	M23197	Homo sapiens differentiation antigen	1130	60.197
6545	AL022398	Homo sapiens dJ434014.5 (novel PUTATIVE protein similar to YIL091C yeast hypoyhetical 84 kD protein from SGA1-KTR7 intergenic region)	4915	99.735
6546	X79882	Homo sapiens lrp	5825	100.000
6547	L08237	Homo sapiens located at OATL1	191	46.903
6548	AF187318	Homo sapiens F-box protein Fbx2	1950	98.986
6549	AF036702	Caenorhabditis elegans contains weak similarity to HIV P17 matrix protein (GB:L35970)	285	26.335
6550	AB018290	Homo sapiens KIAA0747 protein	7076	99.907
6551	AL050369	Homo sapiens hypothetical protein	3085	98.031
6552	AC005917	Arabidopsis thaliana putative WD-40 repeat protein	1145	42.472
6553	D26311	Gallus gallus unknown protein	1318	58.537
6554	AF091083	Homo sapiens unknown	1871	99.650
6555	M29581	Homo sapiens zinc finger protein 8 (ZFP8)	3533	96.324
6556	AL096879	Homo sapiens hypothetical protein	616	37.631
6557	AF139682	Homo sapiens putative N6-DNA-methyltransferase; N6AMT1	1383	100.000
6558	X16135	Homo sapiens L protein (AA 1-558)	1847	56.098
6559	AF156777	Homo sapiens ASB-1 protein	2245	99.110
6560	Z19555	Caenorhabditis elegans cDNA EST yk425a6.3 comes from this gene; cDNA EST yk406e6.3 comes from this gene; cDNA EST yk425a6.5 comes from this gene; cDNA EST yk480c6.5 comes from this gene; cDNA EST yk406e6.5 comes from this gene	347	25.818
6561	AL032623	Unknown cDNA EST yk331e12.5 comes from this gene; cDNA EST EMBL:D69131 comes from this gene; cDNA	200	35.338
6562	AF069954	Mus musculus unknown	2305	84.235
6563	AB011139	Homo sapiens KIAA0567 protein	6357	99.183
6564	AF003151	Caenorhabditis elegans No definition line found	481	28.231
6565	X55684	Lycopersicon esculentum extensin (class I)	98	32.143
6566	AB028968	Homo sapiens KIAA1045 protein	2622	96.471
6567	D63484	Homo sapiens The KIAA0150 gene product is novel.	6425	100.000
6568	Z82215	Homo sapiens dJ6802.2	1232 4	99.796
6569	Y13492	Homo sapiens smoothelin-B	5831	99.346
6570	AL096768	Homo sapiens dJ858B16.2 (novel protein similar to hamster PSSC (Phosphatidylserine	2574	99.733

		Decarboxylase Proenzyme, EC 4.1.1.65)		
6571	AF125099	Homo sapiens HSPC038 protein	466	89.412
6572	AF132964	Homo sapiens CGI-30 protein	1764	94.949
6573	AB029012	Homo sapiens KIAA1089 protein	6572	99.899
6574	X15218	Homo sapiens ski protein (AA 1 - 728)	4677	100.000
6575	AL035461	Homo sapiens dJ967N21.6 (novel CDP-alcohol phosphatidyltransferase family member protein)	1936	99.007
6576	U45998	Onchocerca volvulus mitochondrial solute carrier	705	47.489
6577	AF091080	Homo sapiens unknown	2120	100.000
6578	Y08200	Homo sapiens rab geranylgeranyl transferase	3709	98.604
6579	AF151868	Homo sapiens CGI-110 protein	813	100.000
6580	X74142	Homo sapiens transcription factor	3301	99.161
6581	AJ132545	Homo sapiens protein kinase	3757	99.820
6582	M60165	Homo sapiens guanine nucleotide-binding regulatory protein 1	2297	99.435
6583	AF151522	Homo sapiens hairy and enhancer of split related-1	1989	100.000
6584	AJ243460	Leishmania major proteophosphoglycan	182	25.909
6585	AL117664	Homo sapiens hypothetical protein	889	49.508
6586	AF106685	Homo sapiens myelin gene expression factor 2	3579	97.441
6587	AF124490	Homo sapiens ARF GTPase-activating protein GIT1	4971	99.081
6588	AC004131	Homo sapiens Unknown gene product	2567	98.020
6589	L77967	Ovis aries small proline-rich protein with paired repeat	111	46.667
6590	AB011129	Homo sapiens KIAA0557 protein	3444	100.000
6591	AB018310	Homo sapiens KIAA0767 protein	3775	100.000
6592	AB018338	Homo sapiens KIAA0795 protein	2834	94.872
6593	AF079098	Homo sapiens arginine-tRNA-protein transferase 1-lp; ATE1-lp	3506	99.611
6594	AJ010119	Homo sapiens Ribosomal protein kinase B (RSK-B)	4956	98.448
6595	AF017777	Drosophila melanogaster helicase	1530	48.423
6596	U96724	Mus musculus putative phosphoinositide 5-phosphatase type II	2343	74.145
6597	U71363	Homo sapiens zinc finger protein zfp6	3057	98.144
6598	Z35227	Homo sapiens small G protein	1247	100.000
6599	AJ133115	Homo sapiens TSC-22-like protein	2583	97.727
6600	AC004798	Homo sapiens R31546 1	4899	99.863
6601	AJ005559	Mus musculus SPR2A protein	158	41.333
6602	X83572	Homo sapiens ARSD	4046	99.157
6603	AF121859	Homo sapiens sorting nexin 9	3985	99.832
6604	AF102166	Homo sapiens intracellular chloride channel CLIC3	1115	91.905
6605	X68277	Homo sapiens protein-tyrosine phosphatase	2292	97.568
6606	AL117491	Homo sapiens hypothetical protein	9306	100.000
6607	AL117634	Homo sapiens hypothetical protein	1366	100.000
6608	X74226	Rattus norvegicus putative	4435	86.380
6609	U71601	Homo sapiens zinc finger protein zfp47	2291	97.598
6610	X63368	Homo sapiens HSJ1b	2325	99.715
6611	X90530	Homo sapiens ragB	2426	99.465
6612	AB020724	Homo sapiens KIAA0917 protein	3802	95.156
6613	Z29067	Homo sapiens protein kinase	3051	99.564
6614	AB011135	Homo sapiens KIAA0563 protein	5824	99.310
6615	AF061025	Homo sapiens leucine zipper-EF-hand containing transmembrane protein 1	4406	100.000
6616	L00352	Homo sapiens low density lipoprotein receptor	6091	99.767
6617	AF042831	Homo sapiens forkhead-related transcription	776	100.000

		factor FREAC-10		
6618	X65873	Homo sapiens kinesin heavy chain	6033	99.274
6619	M62362	Mus musculus CCAAT/enhancer binding protein	2382	91.479
6620	Y14488	Homo sapiens 14 kDa protein	831	96.124
6621	S58722	Homo sapiens X-linked retinopathy protein {C-terminal, clone XEH.8c}	221	65.000
6622	AJ224997	Rattus norvegicus huntingtin	87	48.276
6623	AB029016	Homo sapiens KIAA1093 protein	8451	99.668
6624	AB027013	Homo sapiens Nucleosome Assembly Protein 1-like 2	3028	99.565
6625	X98258	Homo sapiens M-phase phosphoprotein 9	1112	99.457
6626	U97191	Caenorhabditis elegans strong similarity to the YPT1 sub-family of RAS proteins	1199	85.185
6627	AB006624	Homo sapiens KIAA0286	2841	99.767
6628	AF151805	Homo sapiens CGI-47 protein	2625	100.000
6629	AF106858	Homo sapiens G-protein-coupled receptor	4558	99.134
6630	X76057	Homo sapiens phosphomannose isomerase	2719	99.522
6631	AL049746	Arabidopsis thaliana putative protein	287	19.729
6632	X97064	Homo sapiens Sec23 protein	5093	99.869
6633	L09634	Caenorhabditis elegans putative	205	26.974
6634	AJ005642	Rattus rattus serine protease	930	47.535
6635	AL079310	Homo sapiens hypothetical protein	2994	96.768
6636	X79563	Homo sapiens 8.2 kDa differentiation factor	606	96.907
6637	Z66520	Caenorhabditis elegans similar to ERG-3 like protein	709	38.971
6638	M19529	Sus scrofa follistatin A	2420	98.246
6639	AF060154	Homo sapiens activated B-cell factor-1	1453	99.541
6640	U79260	Homo sapiens unknown	284	58.416
6641	AJ249457	Trichomonas vaginalis centrin, putative	193	29.787
6642	AF078850	Homo sapiens steroid dehydrogenase homolog	1967	99.679
6643	AF128625	Homo sapiens CDC42-binding protein kinase beta	1118 4	99.416
6644	AC004410	Homo sapiens fos39554 1	2699	100.000
6645	AL035541	Homo sapiens dJ718J7.1 (PUTATIVE novel protein similar to Tr:O15168)	1407	100.000
6646	AC004537	Homo sapiens similar to tumor suppressor p33ING1; similar to AF044076 (PID:g2829208)	2611	99.265
6647	X03528	Homo sapiens lambda L-chain C region	588	87.736
6648	D12768	Rattus norvegicus Spl	4713	93.932
6649	AF132944	Homo sapiens CGI-10 protein	2956	98.718
6650	AB011136	Homo sapiens KIAA0564 protein	9414	99.584
6651	AB011138	Homo sapiens KIAA0566 protein	7537	99.312
6652	Z92825	Caenorhabditis elegans predicted using Genefinder; cDNA EST yk315e12.3 comes from this gene; cDNA EST yk315e12.5 comes from this gene; cDNA EST yk605b12.3 comes from this gene	655	43.359
6653	AB010491	Homo sapiens natriuretic peptide A type receptor	7000	100.000
6654	D79205	Homo sapiens ribosomal protein L39	238	76.471
6655	D83782	Homo sapiens the KIAA0199 gene is expressed ubiquitously.; the KIAA0199 protein shows similarity to sea urchin hydroxymethylglutaryl-CoA reductase, and retains 8 hydrophobic domains.	8679	100.000
6656	AF016903	Homo sapiens agrin precursor	1433 0	99.557
6657	Z22181	Unknown similar to PH (pleckstrin homology) domain; cDNA EST EMBL:C07493 comes from this gene; cDN	747	50.000

6658	X61045	Hydra sp. mini-collagen	200	36.036
6659	AF019926	Mus musculus protein kinase	2099	89.944
6660	AB020715	Homo sapiens KIAA0908 protein	3301	99.802
6661	AF118838	Homo sapiens citrin; adult-onset type II citrullinemia protein	4359	100.000
6662	U30831	Rattus norvegicus B/K protein	3068	96.835
6663	M26312	Oryctolagus cuniculus unknown protein	162	42.466
6664	L32162	Homo sapiens transcription factor	1758	99.265
6665	X02585	Xenopus laevis unidentified open reading frame 2	350	62.766
6666	D87930	Homo sapiens myosin phosphatase target subunit 1	6441	99.903
6667	AF036717	Homo sapiens FGFR signalling adaptor SNT-1	3373	99.803
6668	AL050060	Homo sapiens hypothetical protein	2185	99.692
6669	U07151	Homo sapiens ARL3	230	32.090
6670	AL110245	Homo sapiens hypothetical protein	931	64.259
6671	Z72497	Gallus gallus CEPU-1	1817	78.632
6672	AB014590	Homo sapiens KIAA0690 protein	7783	99.013
6673	AF041377	Mus musculus cell death activator CIDE-B	1214	84.793
6674	X79237	Mustela vison ribosomal protein S26	128	57.500
6675	AB007914	Homo sapiens KIAA0445 protein	7847	98.477
6676	X03528	Homo sapiens lambda L-chain C region	588	87.736
6677	AF002223	Homo sapiens myotubularin related 1	4423	99.698
6678	Y10812	Homo sapiens fructose-1,6-bisphosphatase	2073	100.000
6679	AF055000	Homo sapiens unknown	2557	98.297
6680	AF165217	Homo sapiens tropomodulin	2229	99.710
6681	L32162	Homo sapiens transcription factor	532	94.681
6682	AF135028	Homo sapiens kallikrein-like protein 2 KLK-L2	2010	98.639
6683	AL031541	Streptomyces coelicolor putative dehydrogenase	481	37.308
6684	AF084256	Homo sapiens beta glucuronidase isoform d	182	68.182
6685	U38934	Gallus gallus histone H2A	758	98.400
6686	AF065215	Homo sapiens cytosolic phospholipase A2 beta	6677	99.306
6687	U76374	Mus musculus skm-BOP2	765	31.808
6688	X71623	Homo sapiens zinc finger	4073	99.825
6689	X68362	Mus musculus Oct-1A protein	3938	88.472
6690	AF132856	Homo sapiens suppressor of G2 allele of skp1 homolog	2164	99.701
6691	Y09501	Homo sapiens NADH-cytochrome-b5 reductase	2015	100.000
6692	J04628	Rattus norvegicus 3-hydroxyisobutyrate dehydrogenase	2053	90.909
6693	AB023139	Homo sapiens KIAA0922 protein	5160	98.108
6694	X01655	Homo sapiens type III procollagen (aa 892-1023)	119	37.190
6695	Y15521	Homo sapiens start position 1	4126	99.524
6696	AL117496	Homo sapiens hypothetical protein	1090 1	99.046
6697	X76538	Homo sapiens hMpv17	1172	97.207
6698	AF131826	Homo sapiens Unknown	277	27.667
6699	AL049176	Homo sapiens dA141H5.1 (C-terminal part of a Chordin LIKE protein with von Willebrand factor type C domains)	1786	100.000
6700	AJ133421	Homo sapiens vacuolar protein sorting	3543	99.649
6701	AF125807	Homo sapiens DNA 5'-kinase/3'-phosphatase	3468	99.616
6702	AC004923	Homo sapiens similar to UNC-93; similar to U89424 (PID:g3642687)	2082	97.619
6703	AF151867	Homo sapiens CGI-109 protein	1166	94.608
6704	AF009624	Homo sapiens KIF3-related motor protein	1518	99.160
6705	X92475	Homo sapiens ITBA1	1761	98.855
6706	AL031716	Homo sapiens c360B4.1 (PUTATIVE novel protein	1133	87.143

		similar to predicted bacterial and worm proteins)		
6707	AF077205	Homo sapiens HSPC019	816	100.000
6708	U79745	Homo sapiens monocarboxylate transporter homologue MCT6	3383	99.426
6709	AJ010482	Homo sapiens Myopodin protein	5470	100.000
6710	AL049955	Homo sapiens hypothetical protein	1061	81.905
6711	Y16752	Homo sapiens secretagoin	1786	98.913
6712	AB004678	Homo sapiens dihydropyrimidinase	1990	58.382
6713	X51416	Homo sapiens hormone receptor hERR1 (AA 1-521)	3447	99.040
6714	D50911	Homo sapiens The KIAA0121 gene product is novel.	1365	98.571
6715	X99459	Homo sapiens sigma 3 protein	1243	100.000
6716	AJ006591	Homo sapiens cysteine-rich protein	2295	100.000
6717	AL080155	Homo sapiens hypothetical protein	2563	94.771
6718	Z97653	Homo sapiens c380A1.2.1 (novel protein (isoform 1))	644	45.324
6719	X54232	Homo sapiens glypican	3531	98.571
6720	U17989	Homo sapiens GS2NA	2343	54.331
6721	AF176642	Homo sapiens ubiquitin-specific protease ISG43	2499	99.464
6722	AF117336	Aplysia californica mollusk-derived growth factor; MDGF	1229	38.833
6723	AL050003	Homo sapiens hypothetical protein	1970	100.000
6724	AJ223324	Homo sapiens MAX.3 cell surface antigen	414	32.797
6725	A08695	Homo sapiens rap2	943	93.478
6726	Z12173	Homo sapiens N-acetylglucosamine-6-sulphatase	3750	99.819
6727	AF151814	Homo sapiens CGI-56 protein	703	42.405
6728	M37030	Mus musculus ORF	2258	94.823
6729	D13744	Holotrichia diomphalia holotricin 3	108	59.375
6730	AB007930	Homo sapiens KIAA0461 peroteine	8939	96.028
6731	U32575	Rattus norvegicus similar to yeast Sec6p, Swiss-Prot Accession Number P32844; similar to mammalian B94, Swiss-Prot Accession Number Q03169; Method: conceptual translation supplied by author	4586	94.430
6732	D38491	Homo sapiens KIAA0117	1018	78.829
6733	AJ012590	Homo sapiens glucose 1-dehydrogenase	5158	98.235
6734	Z83869	Rattus norvegicus serine/threonine kinase	4210	89.529
6735	X74331	Homo sapiens DNA primase (p58 subunit)	3328	98.821
6736	X68362	Mus musculus Oct-1A protein	3938	88.472
6737	AL080133	Homo sapiens hypothetical protein	7089	99.543
6738	M84725	Rattus norvegicus neuronal protein	1386	96.347
6739	X75316	Mus musculus SEB4	971	64.591
6740	AF151833	Homo sapiens CGI-75 protein	2042	93.017
6741	A58331	Homo sapiens unnamed protein product	2759	98.529
6742	AF153686	Homo sapiens calcium binding protein precursor	1604	97.638
6743	AL008583	Homo sapiens dJ327J16.2 (human ortholog of rat Neuronal Pentraxin Receptor)	3295	99.600
6744	AF151888	Homo sapiens CGI-130 protein	976	81.250
6745	AB017112	Mus musculus mCAC	493	34.185
6746	AL080121	Homo sapiens hypothetical protein	1573	100.000
6747	X04434	Homo sapiens IGF-I receptor	9297	99.854
6748	AJ224538	Homo sapiens AMP-activated protein kinase beta 2 subunit	1812	99.632
6749	AF151829	Homo sapiens CGI-71 protein	2052	99.691
6750	M17466	Homo sapiens coagulation factor XII	4464	100.000
6751	AF106473	Mus musculus leucine-rich-domain inter-acting protein 1; LeR inter-acting protein 1; LEAP1	526	70.714
6752	M25826	Kluyveromyces lactis actin	1891	81.432

6753	U92819	Homo sapiens unnamed HERV-H protein	324	69.512
6754	AF061262	Mus musculus semaF cytoplasmic domain associated protein 2	1644	83.387
6755	AF108831	Homo sapiens K:Cl cotransporter 3	7183	99.909
6756	AF151806	Homo sapiens CGI-48 protein	3348	99.423
6757	AJ004832	Homo sapiens neuropathy target esterase	8691	99.623
6758	AF097439	Mus musculus brain expressed X-linked protein 2	629	71.318
6759	AJ005562	Mus musculus SPR2D protein	99	35.556
6760	AF132600	Homo sapiens B-lymphocyte stimulator	1827	100.000
6761	AL079292	Homo sapiens hypothetical protein, similar to (AC007017) putative RNA helicase A	5094	99.752
6762	X07876	Homo sapiens Irp protein (AA 1-360)	2511	99.446
6763	D14592	Rattus norvegicus MAP kinase kinase-related protein	2462	93.216
6764	A65892	unidentified MURINE PSA-99	5941	97.177
6765	Z22819	Mus musculus Rab24 protein	1232	85.470
6766	U79260	Homo sapiens unknown	384	73.626
6767	AL035656	Arabidopsis thaliana putative protein	1383	58.127
6768	Z97029	Homo sapiens ribonuclease HI large subunit	1798	98.333
6769	AC006042	Homo sapiens supported by human ESTs AI681256.1(NID:g4891438),N32168.1(NID:g1152567), and genscan	854	45.278
6770	AL033514	Caenorhabditis elegans predicted using Genefinder; cDNA EST EMBL:D71127 comes from this gene; cDNA EST EMBL:D73731 comes from this gene; cDNA EST yk527c3.3 comes from this gene; cDNA EST yk645b5.3 comes from this gene	991	53.160
6771	A63340	unidentified unnamed protein product	2823	98.081
6772	X67325	Homo sapiens p27	415	87.097
6773	AF133911	Mus musculus ARL-6 interacting protein-4	300	79.688
6774	AF010258	Homo sapiens homeodomain protein	1862	99.632
6775	A37078	Homo sapiens NUCLEOTIDE WITH CORRESPONDING PROTEIN	271	81.132
6776	AF003145	Caenorhabditis elegans No definition line found	690	26.910
6777	AJ005564	Mus musculus SPR2F protein	103	34.694
6778	X85237	Homo sapiens human splicing factor	5383	100.000
6779	AL117496	Homo sapiens hypothetical protein	1092 1	99.046
6780	AB007447	Homo sapiens Fln29	3992	99.656
6781	X53427	Rattus norvegicus glycogen synthase kinase 3 alpha (AA 1 - 483)	3040	96.488
6782	AC007055	Homo sapiens unknown	2053	100.000
6783	AF184969	Homo sapiens cytokine homolog CYTO7	1263	100.000
6784	AF077038	Homo sapiens unc-50 related protein homolog	1705	97.368
6785	AC004382	Homo sapiens Unknown gene product	1799	81.471
6786	AF045584	Homo sapiens PB39	653	30.114
6787	AF173380	Mus musculus angiotensin II AT2 receptor-interacting protein	2334	86.395
6788	X68596	Homo sapiens parathyroid hormone receptor	4020	100.000
6789	U13021	Homo sapiens ICH-1L	2837	95.302
6790	AB014585	Homo sapiens KIAA0685 protein	5753	95.503
6791	M95178	Homo sapiens alpha-actinin	5377	97.213
6792	U26401	Homo sapiens galactokinase	2454	97.970
6793	D89141	Schizosaccharomyces pombe similar to Saccharomyces cerevisiae hypothetical 27.6KD protein in chromosome VII, SWISS-PROT Accession Number P46948	564	43.802

6794	AF151836	Homo sapiens CGI-77 protein	1798	100.000
6795	AF042800	Homo sapiens suppressor of white apricot homolog 2	4277	99.545
6796	Z46973	Homo sapiens phosphatidylinositol 3-kinase	5722	97.750
6797	AL030996	Homo sapiens dJ1189B24.4 (novel PUTATIVE protein similar to hypothetical proteins S. pombe C22F3.14C and C. elegans C16A3.8)	7299	99.731
6798	AB015331	Homo sapiens HRIHFB2017	1301	99.539
6799	AF042752	Gorilla gorilla cytochrome c oxidase subunit IV	551	59.712
6800	U18468	Homo sapiens pregnancy-specific beta 1-glycoprotein 4 precursor	2625	97.837
6801	Z14954	Homo sapiens codes for a 184 aminoacid peptide (BCM)	1211	100.000
6802	AF093543	Homo sapiens transforming acidic coiled-coil containing protein 3	5399	99.404
6803	AF073920	Homo sapiens regulator of G-protein signaling 6	3721	98.239
6804	M99487	Homo sapiens prostate- specific membrane antigen	5005	98.800
6805	AF070663	Homo sapiens HSPC007	1127	99.465
6806	U08377	Homo sapiens similar to the Drosophila splicing regulator, suppressor-of-white-apricot: Swiss-Prot Accession Number P12297	6185	99.579
6807	AB025905	Homo sapiens neighbor of A-kinase anchoring protein 95	4088	98.609
6808	Z29067	Homo sapiens protein kinase	3051	99.564
6809	AL035295	Homo sapiens hypothetical protein	751	94.215
6810	AF157562	Homo sapiens unknown	1057	99.387
6811	AC006023	Homo sapiens similar to KIAA0904; similar to AAA58424 (PID:g180492)	4923	99.862
6812	AF073770	Homo sapiens carnitine octanoyltransferase	3986	99.668
6813	AF105369	Homo sapiens actin-associated protein 2E4/kaptin	3055	95.591
6814	A14656	synthetic construct protein antigen	1882	99.647
6815	U15370	Pseudomonas aeruginosa similar to E. coli protein PolB/DinA, Swiss-Prot Accession Number P21189	130	45.946
6816	AB020636	Homo sapiens KIAA0829 protein	7599	99.915
6817	Z35278	Homo sapiens Runt domain containing protein	2668	98.795
6818	X03528	Homo sapiens lambda L-chain C region	588	87.736
6819	AC007087	Arabidopsis thaliana unknown protein	246	23.589
6820	Y12781	Homo sapiens transducin (beta) like 1 protein	3607	99.449
6821	AF030227	Homo sapiens vav protein	5649	99.764
6822	X66899	Homo sapiens RNA binding protein	4687	100.000
6823	V00638	bacteriophage lambda reading frame eal0	799	99.180
6824	AE000406	Escherichia coli putative DNA topoisomerase	1219	100.000
6825	AF049103	Homo sapiens Huntingtin interacting protein	1153	99.435
6826	AF086608	Rattus norvegicus neurestin beta	296	32.738
6827	M55593	Homo sapiens type IV collagenase	4683	100.000
6828	D85884	Homo sapiens glutamate transporter	3642	99.652
6829	U40978	Homo sapiens DNA mismatch repair protein homolog	4779	99.603
6830	D31765	Homo sapiens KIAA0061	6234	100.000
6831	AL009191	Unknown /prediction=(method:""genefinder"", version:""084"""); /prediction=(method:""genscan"", ve	456	30.056
6832	AF109719	Mus musculus unknown	1430	75.850
6833	U71075	Homo sapiens protein tyrosine phosphatase	9516	97.524

		receptor omicron		
6834	AL096768	Homo sapiens dJ858B16.2 (novel protein similar to hamster PSSC (Phosphatidylserine Decarboxylase Proenzyme, EC 4.1.1.65)	2528	98.408
6835	X57351	Homo sapiens 1-8D	819	96.970
6836	U06632	Homo sapiens p80-coilin	3729	99.307
6837	AC005594	Homo sapiens R26984 1	3433	98.641
6838	L49054	Homo sapiens t(3;5)(q25.1;p34) fusion gene	1712	98.885
6839	Z26317	Homo sapiens desmoglein 2	7096	99.015
6840	S72869	Homo sapiens putative cytoskeletal protein=H4(D10S170)	3805	99.316
6841	AF044195	Homo sapiens IkappaB kinase complex associated protein; IKAP	8837	99.775
6842	M62415	Pseudopleuronectes americanus HPLC6	114	39.623
6843	X73113	Homo sapiens fast MyBP-C	7378	98.953
6844	AF083249	Homo sapiens Rb binding protein homolog	4573	98.670
6845	M64934	Homo sapiens kell blood group protein	4481	96.744
6846	AJ005162	Homo sapiens UDP-glucuronosyltransferase	3555	99.811
6847	AB011097	Homo sapiens KIAA0525 protein	5680	99.654
6848	M55614	Homo sapiens TK14 protein	5498	99.757
6849	U15155	Gallus gallus trypsinogen	459	37.500
6850	AB018320	Homo sapiens KIAA0777 protein	7314	98.268
6851	AF018956	Homo sapiens neuropilin	6334	99.783
6852	X00776	Escherichia coli lipoprotein signal peptidase	1071	99.390
6853	AE000236	Escherichia coli putative enzyme	1457	94.902
6854	D86974	Homo sapiens KIAA0220	3648	99.458
6855	X07936	Homo sapiens epoxide hydrolase (AA 1-455)	2732	98.253
6856	Z11518	Homo sapiens histidyl-tRNA synthetase	3185	98.232
6857	M84725	Rattus norvegicus neuronal protein	1386	96.347
6858	AF097025	Homo sapiens cysteine desulfurase	2961	98.687
6859	AL117424	Homo sapiens hypothetical protein	1640	100.000
6860	AJ236885	Homo sapiens ZBP-89 protein	5179	99.748
6861	M74002	Homo sapiens arginine-rich nuclear protein	467	34.495
6862	U05812	Herpetomonas muscarum 3'-end	115	31.325
6863	L06505	Homo sapiens ribosomal protein L12	627	66.460
6864	Y08769	Rattus norvegicus microvascular endothelial differentiation gene 2	151	47.761
6865	X82260	Homo sapiens RanGAP1	3708	99.830
6866	Y13186	Homo sapiens dystrophin	142	71.429
6867	M15386	Homo sapiens gamma-globin	522	70.175
6868	U79260	Homo sapiens unknown	203	50.794
6869	AB023179	Homo sapiens KIAA0962 protein	4135	99.049
6870	Y08162	Homo sapiens heptahelix receptor	316	25.364
6871	U18745	Homo sapiens corticostatin/defensin HP-4 precursor	330	56.522
6872	X55777	Homo sapiens put. ORF	360	62.921
6873	L01664	Homo sapiens lysophospholipase	441	47.143
6874	AF081110	Mus musculus domesticus ORF2	194	47.761
6875	U23452	Caenorhabditis elegans No definition line found	631	33.758
6876	M19419	Mus musculus proline-rich salivary protein	207	36.496
6877	AL031907	Schizosaccharomyces pombe hypothetical protein	275	26.531
6878	AF033664	Mus musculus cbp146	1197	83.491
6879	AB023167	Homo sapiens KIAA0950 protein	982	48.071
6880	Z72946	Saccharomyces cerevisiae ORF YGR159c	236	44.660
6881	AP000060	Aeropyrum pernix 108aa long hypothetical protein	144	31.731
6882	AF064604	Homo sapiens KE03 protein	459	51.634
6883	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	351	67.500

6884	M15530	Homo sapiens B-cell growth factor	162	41.758
6885	AC002294	Arabidopsis thaliana Unknown protein	721	50.000
6886	AJ243460	Leishmania major proteophosphoglycan	173	28.319
6887	J04076	Homo sapiens early growth response 2 protein	167	24.468
6888	M17294	Human herpesvirus 4 unknown protein	172	33.161
6889	AF138957	Bos taurus type II collagen cyanogen bromide fragment CB8	154	32.061
6890	AB023201	Homo sapiens KIAA0984 protein	4765	98.072
6891	U41557	Caenorhabditis elegans glycine-rich	134	46.429
6892	AB030237	Canis familiaris D4 dopamine receptor	126	36.667
6893	U58658	Homo sapiens unknown	296	65.385
6894	M97662	Rattus norvegicus beta-alanine synthase	2276	83.206
6895	AB028972	Homo sapiens KIAA1049 protein	3676	98.919
6896	X64897	Bos taurus MLRQ subunit of the NADH: ubiquinone oxidoreductase complex	343	64.935
6897	AF172328	Homo sapiens unknown	679	97.895
6898	U26358	Rattus norvegicus S100A1 gene product	420	55.556
6899	AF174394	Homo sapiens apoptotic-related protein PCAR	66	36.957
6900	Z35093	Homo sapiens SURF-1	1818	92.593
6901	AL096725	Homo sapiens hypothetical protein	1120	97.576
6902	AF044923	Homo sapiens hook1 protein	4543	93.565
6903	Z99494	Mycobacterium leprae hypothetical protein MLCB57.05c	110	33.684
6904	Z79695	Unknown Similarity to Yeast hypothetical protein YOR316OW (TR:E217727); cDNA EST EMBL:T00498 comes	1020	47.500
6905	L78671	Homo sapiens CoxII/D-loop DNA fusion protein	513	91.358
6906	AF174481	Typhlonectes natans gonadotropin-releasing hormone receptor	405	45.033
6907	Z95620	Schizosaccharomyces pombe putative dna binding protein	267	36.364
6908	S85655	Homo sapiens prohibitin	273	64.706
6909	L08816	Hepatitis E virus poly-proline hinge	80	33.333
6910	AF072508	Homo sapiens envelope protein	178	44.776
6911	X17400	Mus sp. TIS7 protein (AA 1-449)	2606	93.381
6912	X54518	Gossypium hirsutum late embryogenesis abundant protein	109	32.000
6913	AF041060	Mus musculus co-chaperone mt-GrpE#2 precursor	1228	83.929
6914	Z74029	Unknown Similarity to C.elegans alcohol dehydrogenase (WP:C17G10.8); cDNA EST EMBL:D66106 comes fro	778	66.484
6915	AB018423	Mus musculus SH2 domain-containing protein	1772	76.453
6916	U49973	Homo sapiens ORF1; MER37; putative transposase similar to pogo element	230	30.147
6917	Z73497	Homo sapiens cU240C2.1 (Core histone H2A/H2B/H3/H4)	738	83.803
6918	U63542	Homo sapiens FAP protein	217	70.455
6919	U97553	murine herpesvirus 68 unknown	144	39.189
6920	AF125569	Homo sapiens tumor suppressing STF cDNA 6	961	97.203
6921	M11759	Lycopersicon esculentum cell wall hydroxyproline-rich glycoprotein	91	41.667
6922	X72963	Nicotiana tabacum PAP8 product	149	33.333
6923	Z83246	Caenorhabditis elegans predicted using Genefinder; cDNA EST EMBL:M79771 comes from this gene	1147	59.524
6924	J01055	Chironomus tentans giant secretory protein	138	29.078
6925	X55777	Homo sapiens put. ORF	365	63.218
6926	U61947	Caenorhabditis elegans No definition line found	124	32.051

6927	AF063866	Melanoplus sanguinipes entomopoxvirus ORF MSV233 hypothetical protein	110	34.483
6928	X98485	Plasmodium vivax putative	112	30.208
6929	X16282	Homo sapiens zinc finger protein (217 AA) (1 is 2nd base in codon)	1420	97.512
6930	U88368	Sus scrofa inositol(1,3,4,5)tetrakisphosphate receptor	1054	59.919
6931	Z92539	Mycobacterium tuberculosis pth	396	35.450
6932	AL008730	Homo sapiens dJ487J7.1.1 (putative protein dJ487J7.1 isoform 1)	3980	99.127
6933	U28131	Homo sapiens novel transcript; similar to transcription factors activation domains; linked at 5' end to AT hook motif of HMGI-C; Method: conceptual translation supplied by author	197	49.351
6934	AF169346	Cavia porcellus pro-alpha-1 type 1 collagen	197	34.043
6935	M62324	Homo sapiens modulator recognition factor I	4210	99.186
6936	X68600	Hordeum vulgare pZE40	157	35.780
6937	X55777	Homo sapiens put. ORF	319	54.639
6938	Z99113	Bacillus subtilis similar to long-chain acyl-CoA synthetase	750	49.074
6939	X55777	Homo sapiens put. ORF	346	66.667
6940	AB030483	Mus musculus B9	294	27.083
6941	X01655	Homo sapiens type III procollagen (aa 892-1023)	176	38.393
6942	U43200	Boreogadus saida antifreeze glycopeptide AFGP polyprotein precursor	183	25.110
6943	U37150	Bos taurus peptide methionine sulfoxide reductase	1220	83.412
6944	X92109	Homo sapiens hcgIX	69	42.424
6945	AL117555	Homo sapiens hypothetical protein	984	98.496
6946	AC005328	Homo sapiens R26660 2, partial CDS	1226	86.667
6947	Z68752	Caenorhabditis elegans T12G3.5	179	32.203
6948	X63508	Mycobacterium tuberculosis predicted ORF	145	29.091
6949	L34807	Musca domestica transposase	261	18.375
6950	S58722	Homo sapiens X-linked retinopathy protein {C-terminal, clone XEH.8c}	116	61.538
6951	M24543	Homo sapiens prostate-specific antigen	480	85.185
6952	AB020719	Homo sapiens KIAA0912 protein	8368	99.769
6953	S68106	Ascaris suum, Peptide Partial, 100 aa type IV collagen alpha 2 chain, alpha 2 (IV) {alternatively spliced}	120	32.530
6954	AF151832	Homo sapiens CGI-74 protein	725	52.652
6955	AF095737	Homo sapiens unknown	344	67.416
6956	AF076607	Mus musculus prediabetic NOD sera-reactive autoantigen	3374	94.727
6957	AJ010100	Homo sapiens NKp44RG2	191	27.632
6958	AJ011736	Homo sapiens growth factor receptor binding protein (GRBLG)	701	82.812
6959	AF022985	Caenorhabditis elegans No definition line found	239	24.609
6960	AL022018	Unknown /prediction=(method:""genscan"", version:""1.0"", score:""133.82""); /prediction=(method:	808	38.623
6961	AC007067	Arabidopsis thaliana T10024.21	577	29.653
6962	AJ006692	Homo sapiens ultra high sulfur keratin	1011	66.162
6963	U23037	Oryctolagus cuniculus eIF-2Bepsilon	4335	90.390
6964	U05313	Trypanosoma brucei CR3	73	29.412
6965	Y08250	Homo sapiens immunoglobulin kappa light chain	100	39.062

6966	AF061812	Homo sapiens keratin 16	2994	98.943
6967	AF151899	Homo sapiens CGI-141 protein	535	56.835
6968	AF057489	Mycobacterium thermoresistibile RNA polymerase beta	129	30.476
6969	AF005654	Homo sapiens actin-binding double-zinc-finger protein	611	31.570
6970	Y07604	Homo sapiens nucleoside-diphosphate kinase	1063	89.730
6971	U01849	Trypanosoma brucei ORF2	165	30.435
6972	X02585	Xenopus laevis unidentified open reading frame 2	241	58.462
6973	AC004990	Homo sapiens supported by Genscan and several ESTs: C83049 (NID:g3062006), AA823760 (NID:g2893628), AA215791 (NID:g1815572), AI095488 (NID:g3434464), and AA969095 (NID:g3144275)	3418	98.450
6974	AB029034	Homo sapiens KIAA1111 protein	7038	99.060
6975	AJ009761	Homo sapiens putative dimethyladenosine transferase	252	76.923
6976	L10326	Rattus norvegicus GTP-binding protein alpha-s subunit	281	93.182
6977	X66403	Homo sapiens acetylcholine receptor epsilon subunit CHRNE	2897	78.069
6978	U63332	Homo sapiens super cysteine rich protein; SCRP	288	67.442
6979	X02585	Xenopus laevis unidentified open reading frame 2	203	32.192
6980	AF108138	Homo sapiens DNA helicase homolog	2348	95.968
6981	M26460	Homo sapiens retinoblastoma 1	145	37.879
6982	U58658	Homo sapiens unknown	248	60.938
6983	AF151800	Homo sapiens CGI-41 protein	317	33.607
6984	AF086709	Homo sapiens NAG-7 protein	653	98.936
6985	AF151866	Homo sapiens CGI-108 protein	1276	99.487
6986	X61045	Hydra sp. mini-collagen	165	70.833
6987	AL022117	Schizosaccharomyces pombe hypothetical protein	422	39.535
6988	AF166262	Arabidopsis thaliana HAL3A protein	611	49.490
6989	M61745	Bos taurus phosphatidylinositol 3-kinase	4634	96.409
6990	AF119121	Homo sapiens putative RNA binding protein	3749	99.480
6991	AL035523	Arabidopsis thaliana hypothetical protein	216	21.782
6992	AF123880	multiple sclerosis associated retrovirus element unknown protein U5/1	45	50.000
6993	X98709	Homo sapiens COL1A1 and PDGFB fusion transcript	119	37.143
6994	X13354	Homo sapiens T-cell receptor gamma-chain	485	94.937
6995	X84194	Homo sapiens acylphosphatase	201	64.151
6996	Z93785	Unknown predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain)	500	31.492
6997	AF160909	Drosophila melanogaster BcDNA.LD03471	1277	53.959
6998	AL035700	Homo sapiens dJ75K24.1 (novel protein similar to SH3BGR (SH3 domain binding glutamic acid-rich protein) and SH3BGRL)	202	41.053
6999	M15530	Homo sapiens B-cell growth factor	157	54.545
7000	AF067219	Caenorhabditis elegans No definition line found	82	36.207
7001	AC005587	Homo sapiens similar to mouse olfactory receptor 13; similar to P34984 (PID:g464305)	1450	71.382
7002	AB011154	Homo sapiens KIAA0582 protein	373	87.879
7003	X63797	Gallus gallus decorin	342	32.547
7004	AF064597	Homo sapiens LINE-1 like protein	157	49.153
7005	AB002354	Homo sapiens KIAA0356	6204	98.920

7100	X57346	Homo sapiens HS1	1568	100.000
7101	AF140598	Homo sapiens ring-box protein 1	797	100.000
7102	AC006389	Homo sapiens similar to Schizosaccharomyces pombe splicing factor; similar to PID:3395591	593	100.000
7103	X04327	Homo sapiens 2,3 biphosphoglycerated mutase (AA 1 - 259)	1747	100.000
7104	U00043	Caenorhabditis elegans similar to D. melanogaster trithorax protein	519	40.359
7105	Z22968	Homo sapiens M130 antigen	8047	100.000
7106	AF189817	Mus musculus evectin-2	1417	87.391
7107	X60367	Mus musculus cellular retinol binding protein I	553	55.970
7108	Z93388	Unknown predicted using Genefinder; cDNA EST EMBL:D70912 comes from this gene; cDNA EST EMBL:D73452	911	61.966
7109	AL050225	Homo sapiens hypothetical protein	1788	98.885
7110	AJ011007	Homo sapiens 6.2 kd protein	365	98.182
7111	AC002343	Arabidopsis thaliana Ser/Thr protein kinase isolog	511	33.431
7112	X14329	Homo sapiens carboxypeptidase N precursor (AA -20 to 438)	3148	99.782
7113	A23031	Homo sapiens trophoblast membrane expressed protein	2903	99.766
7114	Y17392	Homo sapiens prefoldin subunit 1	669	98.198
7115	X75500	Homo sapiens microsomal triglyceride transfer protein, 97kDa subunit	5680	100.000
7116	AF111713	Homo sapiens junctional adhesion molecule	1950	100.000
7117	X08055	Homo sapiens preglycophorin B	537	100.000
7118	AL050254	Homo sapiens hypothetical protein	3548	99.808
7119	Z46522	Drosophila subobscura bcn92	310	55.422
7120	Z48334	Caenorhabditis elegans F10B5.8	2274	68.113
7121	AL021546	Homo sapiens Cytochrome C Oxidase Polypeptide VIa-liver precursor (EC 1.9.3.1)	762	100.000
7122	X13923	Homo sapiens cytochrome c oxidase subunit VIb (AA 1-86)	424	67.059
7123	Y08915	Homo sapiens alpha 4 protein	2215	100.000
7124	AL050101	Homo sapiens hypothetical protein	3605	100.000
7125	X04494	Homo sapiens precursor polypeptide	2437	100.000
7126	L02956	Xenopus laevis ribonucleoprotein	2120	85.286
7127	AF082526	Mus musculus MEK binding partner 1	759	97.581
7128	AJ223352	Homo sapiens Histone H2B	787	100.000
7129	AF100761	Homo sapiens PTD017	1820	100.000
7130	L31783	Mus musculus uridine kinase	1619	92.692
7131	AL117608	Homo sapiens hypothetical protein	541	92.473
7132	AF084259	Mus musculus bromodomain-containing protein BP75	3884	88.000
7133	Z81108	Unknown similar to Ubiquitin-conjugating enzymes; cDNA EST EMBL:T01737 comes from this gene; cDNA E	567	53.459
7134	AF134772	Mus musculus LIM protein	2134	99.286
7135	AF132952	Homo sapiens CGI-18 protein	2008	88.483
7136	X63692	Homo sapiens DNA (cytosine-5-)-methyltransferase 7	1101	100.000
7137	X63527	Homo sapiens ribosomal protein L19	1259	100.000
7138	U39402	Homo sapiens ORF; Method: conceptual translation supplied by author.	2084	100.000
7139	AF083110	Homo sapiens sirtuin type 5	2134	100.000
7140	AF151884	Homo sapiens CGI-126 protein	1165	100.000
7141	AF092134	Homo sapiens PTD013	1548	99.588

7142	AL117629	Homo sapiens hypothetical protein	796	73.545
7143	M37679	Mus musculus Ig heavy chain precursor	133	72.727
7144	Z49068	Caenorhabditis elegans mitochondrial carrier protein	674	41.176
7145	Z94160	Homo sapiens dJ63G5.1 (human SEC7 homolog B2-1 (cytohesin-2, Arno, ARF exchange factor) LIKE protein)	2319	100.000
7146	X04085	Homo sapiens catalase	3642	100.000
7147	Z28339	Homo sapiens delta 4-3-oxosteroid 5 beta-reductase	2207	100.000
7148	X55656	Homo sapiens gamma-G globin	1047	100.000
7149	AL050273	Homo sapiens hypothetical protein	677	100.000
7150	M61832	Homo sapiens S-adenosylhomocysteine hydrolase	2890	100.000
7151	U40952	Caenorhabditis elegans C03B1.10 gene product	164	94.737
7152	U01317	Homo sapiens beta-globin	991	100.000
7153	U31449	Homo sapiens tetraspan membrane protein	1471	100.000
7154	Y14769	Gallus gallus paralemmin	474	36.525
7155	L42374	Homo sapiens protein phosphatase 2A B56-beta	3317	100.000
7156	AF118108	Homo sapiens lymphatic endothelium-specific hyaluronan receptor LYVE-1	2059	98.758
7157	AB003103	Homo sapiens 26S proteasome subunit p55	2902	100.000
7158	L05093	Homo sapiens ribosomal protein L18a	1222	100.000
7159	AF043254	Homo sapiens heat shock protein 75	4094	98.773
7160	D13630	Homo sapiens KIAA0005	2051	72.596
7161	AF035262	Homo sapiens BAF57	2702	100.000
7162	U28413	Homo sapiens CSA protein	2691	100.000
7163	Z69904	Caenorhabditis elegans cDNA EST yk428d5.3 comes from this gene; cDNA EST yk428d5.5 comes from this gene; cDNA EST yk537a3.3 comes from this gene; cDNA EST yk621h11.3 comes from this gene	400	29.694
7164	K03020	Homo sapiens phenylalanine hydroxylase	1452	98.636
7165	X00129	Homo sapiens precursor RBP	1339	97.512
7166	D78134	Homo sapiens CIRP	1159	100.000
7167	AF076191	Trichosurus vulpecula gamma-actin	2491	100.000
7168	X00910	Homo sapiens IGF-II precursor	1245	100.000
7169	Y07593	Homo sapiens coxsackie and adenovirus receptor protein	408	29.167
7170	X61118	Homo sapiens TTG-2a/RBTN-2a	1142	100.000
7171	Y12860	Homo sapiens peroxisomal integral membrane protein	1967	100.000
7172	M10014	Homo sapiens fibrinogen gamma chain	3008	99.771
7173	Y11435	Homo sapiens b4 integrin interactor	1593	100.000
7174	AF070666	Homo sapiens Kruppel-associated box protein	596	98.936
7175	AJ131057	Homo sapiens immunoglobulin gamma chain (BAB3-L)	215	96.875
7176	AF077207	Homo sapiens HSPC021	3772	100.000
7177	AF126531	Homo sapiens putative DNA-directed RNA polymerase III C11 subunit	805	100.000
7178	L23767	Homo sapiens a2,3 sialyltransferase	2182	100.000
7179	V00488	Homo sapiens alpha globin	925	100.000
7180	X04429	Homo sapiens precursor polypeptide	2633	99.751
7181	D17793	Homo sapiens KIAA0119	2172	100.000
7182	M26759	Rattus norvegicus thymosin beta-4 precursor	179	55.357
7183	AF072832	Homo sapiens Ubch 7-binding protein	4001	99.820
7184	M62831	Homo sapiens ETR101	1474	99.103
7185	M63109	Leishmania major glycoprotein 96-92	187	27.128
7186	D28915	Homo sapiens hepatitis C-associated microtubular aggregate protein p44	2923	99.550

7187	M92383	Homo sapiens thymosin beta-10	313	100.000
7188	AL031673	Homo sapiens dJ694B14.1 (PUTATIVE novel KRAB box protein with 18 C2H2 type Zinc finger domains)	5240	99.865
7189	Y11652	Homo sapiens phosphate cyclase	229	84.091
7190	AF155095	Homo sapiens NY-REN-2 antigen	3897	100.000
7191	AB020648	Homo sapiens KIAA0841 protein	4253	100.000
7192	AF151880	Homo sapiens CGI-122 protein	1224	100.000
7193	A06977	Homo sapiens albumin	4118	100.000
7194	AF052432	Homo sapiens katanin p80 subunit	4366	99.542
7195	U64028	Homo sapiens NADPH:ubiquinone oxidoreductase subunit B13	772	100.000
7196	X79805	Homo sapiens PC4, p15	823	100.000
7197	U75467	Drosophila melanogaster Atu	1197	36.667
7198	X17042	Homo sapiens hematopoietic proteoglycan core protein (AA 1 - 158)	991	99.324
7199	X99209	Homo sapiens arginine methyltransferase	2976	100.000
7200	AJ007509	Homo sapiens E1B-55kDa-associated protein	5996	98.383
7201	AF132965	Homo sapiens CGI-31 protein	1978	100.000
7202	AF173868	Homo sapiens DNA binding protein p96PIF	3609	99.822
7203	AL031427	Homo sapiens dJ167A19.1 (novel protein)	2037	99.673
7204	AF054174	Homo sapiens histone macroH2A1.2	1631	68.464
7205	AJ133769	Homo sapiens nuclear transport receptor	6151	100.000
7206	AF151832	Homo sapiens CGI-74 protein	2573	98.992
7207	X52142	Homo sapiens CTP synthetase (AA 1-591)	3979	99.662
7208	AL021331	Homo sapiens dJ366N23.1 (putative C. elegans UNC-93 (protein 1, C46F11.1) LIKE protein)	1365	99.524
7209	X14608	Homo sapiens propionyl-CoA carboxylase	4559	100.000
7210	AL110249	Homo sapiens hypothetical protein	5725	99.769
7211	X95648	Homo sapiens alfa subunit	1931	100.000
7212	X64177	Homo sapiens metallothionein	513	100.000
7213	AB028942	Homo sapiens KIAA1019 protein	1198 5	99.839
7214	X56932	Homo sapiens 23 kD highly basic protein	1329	100.000
7215	AF134404	Homo sapiens delta-6 fatty acid desaturase	3152	100.000
7216	AC004982	Homo sapiens similar to yeast hypothetical protein ybk4; similar to P38164 (PID:g586461)	2616	100.000
7217	AL049548	Homo sapiens dJ398G3.2 (novel protein)	987	100.000
7218	AF114263	Homo sapiens unknown	1295	100.000
7219	Z68220	Homo sapiens Similarity to Human ADP/ATP carrier protein (SW:ADT1_HUMAN); cDNA EST EMBL:D71893 comes fro	566	43.519
7220	AJ002308	Homo sapiens synaptogyrin 2	1524	100.000
7221	Z49130	Caenorhabditis elegans cDNA EST yk486b9.3 comes from this gene; cDNA EST yk486b9.5 comes from this gene; cDNA EST yk615b1.3 comes from this gene; cDNA EST yk626c2.3 comes from this gene	169	26.364
7222	AL021937	Homo sapiens dJ149A16.6 (novel protein, human ortholog of worm F16A11.2 and bacterial and archaea-bacterial predicted proteins)	3381	100.000
7223	Y16241	Homo sapiens nebullette	6605	100.000
7224	X97544	Homo sapiens preprotein translocase	1169	100.000
7225	X15949	Homo sapiens interferon regulatory factor-2 (AA 1-349)	2323	99.427
7226	AF095927	Rattus norvegicus protein phosphatase 2C	2475	95.153
7227	AF151895	Homo sapiens CGI-137 protein	1164	100.000
7228	AC005757	Homo sapiens R32611 2	1065	100.000
7229	L41254	Rattus norvegicus transmembrane protein	336	62.637

7230	AF106583	Caenorhabditis elegans contains similarity to BC-2 protein (GB:AF042384)	727	56.923
7231	AF106580	Caenorhabditis elegans No definition line found	382	50.442
7232	X13227	Homo sapiens D-amino acid oxidase (AA 1 - 347)	2389	99.135
7233	Z84395	Mycobacterium tuberculosis hypothetical protein Rv0712	723	39.933
7234	Z66511	Unknown similar to ribokinase; cDNA EST EMBL:D69553 comes from this gene; cDNA EST EMBL:D65938 come	657	43.651
7235	X93498	Homo sapiens 21-Glutamic Acid-Rich Protein	1596	99.582
7236	Y11651	Homo sapiens phosphate cyclase	2397	100.000
7237	X79417	Sus scrofa 40S ribosomal protein S12	880	100.000
7238	AL078579	Arabidopsis thaliana putative acyl-CoA binding protein	531	38.077
7239	AF095737	Homo sapiens unknown	366	68.085
7240	AB023203	Homo sapiens KIAA0986 protein	9554	100.000
7241	AL117463	Homo sapiens hypothetical protein	1293	100.000
7242	U34350	Gallus gallus cThy28kD	1025	66.525
7243	D78592	Rattus norvegicus glucose-6-phosphatase catalytic subunit	767	37.537
7244	AF073298	Homo sapiens small EDRK-rich factor 2	378	100.000
7245	U53155	Caenorhabditis elegans No definition line found	893	39.071
7246	X90858	Homo sapiens uridine phosphorylase	1878	99.677
7247	AB014589	Homo sapiens KIAA0689 protein	3783	100.000
7248	X72755	Homo sapiens Humig	806	100.000
7249	Z74167	Saccharomyces cerevisiae ORF YDL119c	433	32.107
7250	AL117662	Homo sapiens hypothetical protein	1393	99.517
7251	AC005058	Homo sapiens similar to calcium-independent phospholipase A2; similar to AC004392 (PID:g3367519)	2532	100.000
7252	AB029020	Homo sapiens KIAA1097 protein	6718	100.000
7253	X01410	Homo sapiens T-cell receptor beta chain	1311	99.492
7254	AB014540	Homo sapiens KIAA0640 protein	3964	100.000
7255	AF020313	Mus musculus proline-rich protein 48	1266	84.052
7256	U79260	Homo sapiens unknown	256	61.765
7257	X66171	Homo sapiens CMRF-35 antigen	1539	99.554
7258	Z14093	Homo sapiens branched chain decarboxylase alpha subunit	3018	100.000
7259	AB011123	Homo sapiens KIAA0551 protein	8838	99.925
7260	Y10936	Homo sapiens hypothetical protein	1441	97.525
7261	AB028946	Homo sapiens KIAA1023 protein	3583	99.819
7262	U72245	Homo sapiens phospholemman chloride channel	252	51.220
7263	X53280	Homo sapiens general transcription factor	1334	100.000
7264	X72964	Homo sapiens caltractin	1087	100.000
7265	AL080178	Homo sapiens hypothetical protein	739	100.000
7266	AB007863	Homo sapiens KIAA0403	2738	100.000
7267	Z99106	Bacillus subtilis similar to hypothetical proteins	464	32.540
7268	U67536	Methanococcus jannaschii conserved hypothetical protein	268	26.609
7269	U21855	Mus musculus mCAF1 protein	1914	99.649
7270	Z75331	Homo sapiens nuclear protein SA-2	7581	99.656
7271	Z75134	Canis familiaris rod transducin	2322	100.000
7272	AB014601	Homo sapiens KIAA0701 protein	4008	99.524
7273	AB007889	Homo sapiens KIAA0429	2432	100.000
7274	Y09615	Homo sapiens mTERF	2584	100.000
7275	AL117635	Homo sapiens hypothetical protein	1169	99.454

7367	U66059	Homo sapiens V segment translation product	794	100.000
7368	A68104	unidentified unnamed protein product	130	28.455
7369	U71598	Homo sapiens zinc finger protein zfp2	1096	100.000
7370	X68505	Homo sapiens myocyte-specific enhancer factor 2 (MEF2)	3397	100.000
7371	AJ242975	Homo sapiens p38 protein	2583	100.000
7372	AL034488	Caenorhabditis elegans predicted using Genefinder	925	35.118
7373	AF044671	Homo sapiens MM46	698	87.069
7374	AF171099	Xenopus laevis Mi-2 histone deacetylase complex protein 66	871	48.396
7375	AB011182	Homo sapiens KIAA0610 protein	4424	100.000
7376	X83218	Homo sapiens ATP synthase, oligomycin sensitivity conferring protein	1310	100.000
7377	U41558	Caenorhabditis elegans No definition line found	537	31.474
7378	AF039692	Homo sapiens antigen NY-CO-10	2397	99.462
7379	X56389	Canis familiaris rab4b	1395	100.000
7380	X06820	Homo sapiens rhoB	1324	100.000
7381	AJ243721	Homo sapiens dTDP-4-keto-6-deoxy-D-glucose 4-reductase	2124	99.682
7382	X77953	Rattus norvegicus ribosomal protein S15a	860	100.000
7383	Z46676	Caenorhabditis elegans cDNA EST yk484g1.3 comes from this gene; cDNA EST yk484g1.5 comes from this gene	401	40.690
7384	J01163	Oxytricha fallax actin	381	27.083
7385	AF156098	Homo sapiens RNA binding motif protein 7	1820	100.000
7386	AF157028	Homo sapiens protein phosphatase methylesterase-1	2599	100.000
7387	L24804	Homo sapiens p23	423	46.094
7388	AF151876	Homo sapiens CGI-118 protein	1336	100.000
7389	Z97210	Schizosaccharomyces pombe hypothetical protein	201	40.196
7390	X95592	Homo sapiens C1D protein	901	100.000
7391	AE000984	Archaeoglobus fulgidus dinitrogenase reductase activating glycohydrolase (draG)	294	26.608
7392	Z98979	Schizosaccharomyces pombe hypothetical protein	348	40.157
7393	D50807	Bos taurus synaphin	194	33.088
7394	X56667	Homo sapiens calretinin	1793	99.631
7395	M23159	Cricetus cricetus DHFR-coamplified protein	194	28.761
7396	D64000	Synechocystis sp. hypothetical protein	220	33.803
7397	AB020684	Homo sapiens KIAA0877 protein	3836	99.310
7398	U22229	Felis catus ribosomal protein L41	170	100.000
7399	AJ010392	Rattus norvegicus Bdeight protein	1427	92.340
7400	AF093673	Cricetulus griseus layilin	2179	84.182
7401	X74801	Homo sapiens gamma subunit of CCT chaperonin	3492	99.632
7402	Z97630	Homo sapiens dJ466N1.2 (2-amino-3-ketobutyrate-CoA ligase mRNA, nuclear gene encoding mitochondrial protein)	2785	99.761
7403	AC002301	Homo sapiens Homolog of rat Zymogen granule membrane protein	270	37.594
7404	AF147717	Homo sapiens ubiquitin C-terminal hydrolase UCH37	2165	100.000
7405	AL096779	Homo sapiens hypothetical protein	1978	100.000
7406	AF069442	Arabidopsis thaliana putative WD-repeat protein	1130	42.721
7407	AF020262	Bos taurus general protein transport factor p16	776	100.000
7408	AF097439	Mus musculus brain expressed X-linked protein 2	648	72.868

7409	U97001	Caenorhabditis elegans similar to Schizosaccharomyces pombe 4-nitrophenylphosphatase (PNPPASE) (GB:X62722, NID:g5005)	767	51.969
7410	X71978	Mus musculus Fif	1923	95.904
7411	AL117526	Homo sapiens hypothetical protein	5576	99.883
7412	AC002550	Homo sapiens Unknown gene product	1104	99.379
7413	U81002	Homo sapiens TRAF4 associated factor 1	1710	99.267
7414	AF151900	Homo sapiens CGI-142 protein	1167	100.000
7415	AB011145	Homo sapiens KIAA0573 protein	3074	100.000
7416	AF059569	Homo sapiens actin binding protein MAYVEN	3881	99.658
7417	AL031765	Unknown /prediction=(method:""genefinder"", version:""084"", score:""31.96""); /prediction=(metho	473	34.348
7418	U80447	Caenorhabditis elegans similar to the beta transducin family	742	32.767
7419	AL080186	Homo sapiens hypothetical protein	1860	99.664
7420	AL049758	Homo sapiens dJ437M21.2 (novel putative GTP-ase activating protein for Arf similar to worm F07F6.4)	1415	100.000
7421	AL023780	Schizosaccharomyces pombe zinc finger protein	359	31.606
7422	AJ224326	Homo sapiens ribulose-5-phosphate-epimerase	1179	100.000
7423	AB023191	Homo sapiens KIAA0974 protein	3780	100.000
7424	Z35663	Caenorhabditis elegans Weak similarity with non-histone chromosomal protein HMG-1 (human). Glutamate rich carboxyl terminus; cDNA EST EMBL:D74688 comes from this gene; cDNA EST EMBL:D71938 comes from this gene	211	27.184
7425	X16901	Homo sapiens 30kb subunit of RAB30 /74	1623	100.000
7426	D14696	Homo sapiens KIAA0108	703	44.395
7427	AB014581	Homo sapiens KIAA0681 protein	659	36.336
7428	AF000423	Rattus norvegicus synaptotagmin XI	2699	94.896
7429	U90313	Homo sapiens glutathione-S-transferase homolog	1044	64.069
7430	AB015345	Homo sapiens HRIHFB2216	3300	99.588
7431	L02241	Mus musculus protein kinase inhibitor	354	74.359
7432	AL021068	Homo sapiens dJ206D15.3	3310	99.607
7433	U40628	Rattus norvegicus unknown	181	50.000
7434	AC003028	Arabidopsis thaliana unknown protein	172	43.137
7435	X65724	Homo sapiens ORF2	1092	100.000
7436	Z97341	Arabidopsis thaliana hypothetical protein	292	36.424
7437	D88157	Ovis aries cytochrome b561	591	45.238
7438	AF133207	Homo sapiens protein kinase	1362	99.490
7439	AJ235271	Rickettsia prowazekii unknown	458	30.638
7440	AF094583	Homo sapiens putative HIV-1 infection related protein	627	98.925
7441	J04970	Homo sapiens carboxypeptidase M precursor	3050	100.000
7442	AC006978	Homo sapiens supported by human and rodent ESTs; match to AA454028 (NID:g2167697), similar to AA9255224 (NID:g4236415) and AA023712 (NID:g1487627)	1048	99.315
7443	AL021683	Homo sapiens unnamed protein product	1820	100.000
7444	A68112	unidentified unnamed protein product	175	28.926
7445	U41515	Homo sapiens Method: conceptual translation supplied by author	494	100.000
7446	X57351	Homo sapiens 1-8D	873	99.242
7447	AB018325	Homo sapiens KIAA0782 protein	7932	100.000
7448	X13482	Homo sapiens U2 snRNP-specific A' protein (AA 1-255)	1630	99.608
7449	X66901	Mus musculus En-2/lacZ fusion protein	307	90.196

7450	AF129756	Homo sapiens NG33	808	100.000
7451	J00911	Gallus gallus alpha-tropomyosin (partial)	164	96.296
7452	Z80220	Unknown Similarity to yeast protein TREMBL ID E246895); cDNA EST EMBL:T00018 comes from this gene;	774	56.944
7453	X67325	Homo sapiens p27	318	67.500
7454	AL117530	Homo sapiens hypothetical protein	3104	99.554
7455	AF151857	Homo sapiens CGI-99 protein	1611	100.000
7456	AL035301	Homo sapiens hypothetical protein	275	100.000
7457	U19142	Homo sapiens GAGE-1 protein	327	51.351
7458	Z49858	Rattus norvegicus plasmalipin	435	45.062
7459	AL050147	Homo sapiens hypothetical protein	3647	100.000
7460	Z82096	Caenorhabditis elegans predicted using Genefinder; Similarity to E.coli guanosine-3', 5'-bis(diphosphate)-pyrophosphohydrolase (SW:P17580)	419	56.410
7461	AF143956	Mus musculus coronin-2	3101	94.262
7462	AB007836	Homo sapiens Hic-5	3323	100.000
7463	AC008263	Arabidopsis thaliana Contains similarity to gb Z95637 acyl-CoA:1-acylglycerol-3-phosphate acyltransferase from Brassica napus.	495	28.981
7464	AF117210	Homo sapiens host cell factor 2	5379	100.000
7465	J03801	Homo sapiens lysozyme precursor (EC 3.2.1.17)	1033	100.000
7466	AF149720	Danio rerio unknown	165	41.379
7467	AL022724	Homo sapiens dJ413H6.1.1 (hamster Androgen-dependent Expressed Protein LIKE PUTATIVE protein) (isoform 1)	1716	100.000
7468	AF151844	Homo sapiens CGI-86 protein	2246	100.000
7469	X77631	Cricetulus griseus intermediate filament associated protein	100	37.500
7470	X78686	Homo sapiens ENA-78	741	100.000
7471	AL049610	Homo sapiens dJ1055C14.1 (transcription elongation factor A (SII)-like 1)	181	37.097
7472	AL008637	Homo sapiens NCF4	2221	100.000
7473	Z81108	Unknown similar to Ubiquitin-conjugating enzymes; cDNA EST EMBL:T01737 comes from this gene; cDNA E	567	53.459
7474	M10942	Homo sapiens human metallothionein-Ie	512	100.000
7475	AF077034	Homo sapiens HSPC010	611	100.000
7476	K01383	Homo sapiens MT1A	508	98.361
7477	X90999	Homo sapiens glyoxalase II	1757	100.000
7478	M74161	Homo sapiens inositol polyphosphate 5-phosphatase	6355	99.894
7479	AC004883	Homo sapiens similar to KIAA0766; similar to PID:g3882253	536	27.381
7480	AF181685	Mus musculus membrane protein TMS-2	2988	95.806
7481	AF145615	Drosophila melanogaster BcDNA.GH03377	1057	46.133
7482	U09410	Homo sapiens zinc finger protein ZNF131	3134	99.366
7483	AF047431	Homo sapiens AAPT1-like protein	1580	98.340
7484	AF176012	Homo sapiens J domain containing protein 1 isoform a	1335	100.000
7485	X94917	Drosophila melanogaster head-elevated expression in 0.9 kb	194	33.000
7486	U54807	Rattus norvegicus GTP-binding protein	1483	97.357
7487	AF058807	Bos taurus GTP-binding protein rah	1248	85.106
7488	L20427	Rattus norvegicus dihydroxypolyprenylbenzoate methyltransferase	1578	82.500
7489	M11759	Lycopersicon esculentum cell wall hydroxyproline-rich glycoprotein	108	34.375

7490	AF072864	Homo sapiens peroxisomal membrane protein PMP 24	1406	99.528
7491	AL050269	Homo sapiens hypothetical protein	1339	99.034
7492	AF078850	Homo sapiens steroid dehydrogenase homolog	739	40.065
7493	Z97204	Schizosaccharomyces pombe hypothetical protein	410	38.021
7494	U23484	Caenorhabditis elegans No definition line found	627	52.660
7495	X63679	Homo sapiens TRAM protein	2432	100.000
7496	X57352	Homo sapiens l-8U	883	98.496
7497	Z81097	Caenorhabditis elegans cDNA EST EMBL:D69071 comes from this gene	190	31.858
7498	AL035419	Homo sapiens dJ1100H13.1 (putative novel protein)	1440	100.000
7499	Z37166	Homo sapiens nuclear RNA helicase (DEAD family)	2817	100.000
7500	Z66515	Unknown cDNA EST EMBL:C07816 comes from this gene; cDNA EST EMBL:C09328 comes from this gene; cDNA	411	35.135
7501	AF131220	Homo sapiens HEMK homolog	2311	99.704
7502	Z49128	Unknown similar to cAMP-dependant protein kinase; cDNA EST EMBL:T00719 comes from this gene; cDNA E	1098	44.759
7503	AJ223980	Homo sapiens BCL7C	1487	99.078
7504	X61381	Rattus rattus interferon-induced protein	238	43.023
7505	U16697	Torpedo marmorata 14 kDa transmembrane protein	113	32.692
7506	Z82214	Homo sapiens dJ526I14.3a (fragment of novel CUB and EGF-like domain protein)	1387	80.995
7507	AL008583	Homo sapiens dJ327J16.1 (human ortholog of mouse outer arm Dynein light chain 4)	716	100.000
7508	D38169	Homo sapiens inositol 1,4,5-trisphosphate 3-kinase isoenzyme	4207	99.834
7509	D90053	Sus scrofa destrin	1109	100.000
7510	AF016685	Caenorhabditis elegans similar to short chain-type dehydrogenases	776	42.073
7511	U23484	Caenorhabditis elegans No definition line found	517	33.133
7512	X52509	Homo sapiens tyrosine aminotransferase	3098	100.000
7513	X13923	Homo sapiens cytochrome c oxidase subunit VIb (AA 1-86)	206	52.941
7514	Z70208	Caenorhabditis elegans predicted using Genefinder; similar to Zinc finger, C3HC4 type (RING finger)	272	28.141
7515	AE000715	Aquifex aeolicus ribosomal protein L20	270	41.053
7516	AL031432	Homo sapiens dJ465N24.2.1 (PUTATIVE novel protein) (isoform 1)	1476	99.558
7517	AL035588	Homo sapiens dJ696P19.1 (TFEB)	3221	98.975
7518	U79275	Homo sapiens unknown	918	100.000
7519	AJ011306	Homo sapiens guanine nucleotide exchange factor (long isoform)	2716	99.523
7520	AE001788	Thermotoga maritima ribosomal protein S15	178	37.037
7521	AE001070	Archaeoglobus fulgidus ribonuclease PH (rph)	328	33.937
7522	X87176	Homo sapiens 17beta-hydroxysteroid dehydrogenase	4839	100.000
7523	AC005189	Homo sapiens match to ESTs H97758 (NID:gl118643) and AA085546 (NID:gl628773)	976	100.000
7524	AL049802	Homo sapiens hypothetical protein	4303	100.000
7525	AF067219	Caenorhabditis elegans No definition line found	117	41.860
7526	AF060568	Homo sapiens promyelocytic leukemia zinc	4578	99.554

		finger protein; kruppel-like zinc finger protein; PLZF		
7527	AL031670	Homo sapiens similar to Zinc finger, C3HC4 type (RING finger); match PFAM PF00097; similar to SW:GOLI_DROME Q06003 GOLIATH PROTEIN	1054	100.000
7528	AF140501	Homo sapiens RAD30B	4696	99.720
7529	AF116827	Homo sapiens unknown	3851	100.000
7530	U28282	Homo sapiens zinc finger protein	2382	99.443
7531	AF180920	Homo sapiens cyclin ania-6a	2016	100.000
7532	AL031121	Homo sapiens dJ495010.2 (novel protein similar to worm E04F6.2	343	100.000
7533	AB031292	Mus musculus proteolipid protein 2	195	31.746
7534	AL117562	Homo sapiens hypothetical protein	2411	99.425
7535	U25801	Homo sapiens Tax1 binding protein	801	98.374
7536	X94910	Homo sapiens ERp28	1682	99.234
7537	X15722	Homo sapiens glutathione reductase (AA 1-479)	3163	100.000
7538	Z70213	Caenorhabditis elegans predicted using Genefinder; Weak similarity to Sea Urchin myosin heavy chain (PIR Acc. No. A37352)	296	28.910
7539	AF151818	Homo sapiens CGI-60 protein	2142	97.605
7540	AF144700	Homo sapiens small zinc finger-like protein	654	100.000
7541	U46690	Mus musculus ATP-dependent RNA helicase	2643	85.000
7542	L14331	Caenorhabditis elegans coded for by C. elegans cDNAs GenBank: CE5D1 (Z14791), CEL01F1 (M88817), CEL04B5 (M88849), and CEL04C1 (M75812); putative	938	44.407
7543	AF139461	Homo sapiens hypothetical protein SBBI31	976	100.000
7544	AL031775	Homo sapiens dJ30M3.2 (novel protein)	599	100.000
7545	AF049523	Homo sapiens huntingtin-interacting protein HYPA/FBP11	2775	99.764
7546	AC005521	Homo sapiens similar to yeast SSU72; similar to P53538 (PID:g1711532)	964	69.543
7547	AJ005894	Homo sapiens JM27	703	100.000
7548	AL035464	Homo sapiens dJ1043E3.1 (novel protein)	1211	100.000
7549	AF153605	Homo sapiens androgen induced protein	1625	99.580
7550	U43701	Homo sapiens ribosomal protein L23a	999	100.000
7551	X07523	Homo sapiens complement factor H	3307	100.000
7552	AF028823	Homo sapiens Tax interaction protein 1	744	100.000
7553	X67155	Homo sapiens mitotic kinase-like protein-1	6116	98.857
7554	AL034353	Schizosaccharomyces pombe putative 60s ribosomal protein	282	41.071
7555	AF143889	Homo sapiens unknown	1190	99.465
7556	X08055	Homo sapiens preglycophorin B	537	100.000
7557	Z93783	Homo sapiens dJ377F16.1 (PUTATIVE novel protein)	975	100.000
7558	AF151845	Homo sapiens CGI-87 protein	2474	99.472
7559	AJ000414	Homo sapiens Cdc42-interacting protein 4	3628	100.000
7560	Z36531	Homo sapiens fibrinogen-like protein	3024	100.000
7561	M29458	Homo sapiens carbonic anhydrase III	1852	100.000
7562	X95384	Homo sapiens 14.5 kDa translational inhibitor protein, p14.5	854	100.000
7563	AF132971	Homo sapiens CGI-37 protein	1192	100.000
7564	AF132484	Mus musculus unknown	897	80.864
7565	X54941	Homo sapiens Cks1 protein homologue	561	100.000
7566	AL035369	Homo sapiens hypothetical protein	2450	100.000
7567	U94991	Xenopus laevis transcription factor XLM01	1051	97.973
7568	AF017096	Drosophila melanogaster similar to C. elegans R10H10.6 and S. cerevisiae YD8419.03c	634	61.379

7569	S73775	Homo sapiens calmitine; calsequestrine	2557	99.231
7570	AL049522	Schizosaccharomyces pombe hypothetical protein	859	51.464
7571	Y13141	Bromheadia finlaysoniana extensin	122	44.118
7572	U85431	Homo sapiens unknown protein	159	70.000
7573	AF151882	Homo sapiens CGI-124 protein	1153	100.000
7574	AF022913	Homo sapiens GPI transamidase	2640	100.000
7575	Z35604	Unknown cDNA EST EMBL:Z14593 comes from this gene; cDNA EST EMBL:T01764 comes from this gene; cDNA	1003	37.168
7576	X77635	Drosophila melanogaster lethal(2)essential for life	179	35.000
7577	X65020	Bos taurus PSST subunit of the NADH: ubiquinone oxidoreductase complex	1249	88.725
7578	Z93382	Caenorhabditis elegans F45G2.10	440	57.377
7579	AF079317	Sphingomonas aromaticivorans unknown	777	39.763
7580	Z99278	Caenorhabditis elegans cDNA EST EMBL:D75703 comes from this gene; cDNA EST yk513g5.3 comes from this gene; cDNA EST yk528b10.3 comes from this gene	817	52.964
7581	AF152583	Homo sapiens unknown	377	100.000
7582	Z30093	Homo sapiens basic transcription factor 2, 35 kD subunit	2025	99.669
7583	D43636	Homo sapiens KIAA0096 gene product is related to a protein kinase.	3491	100.000
7584	AF177758	Homo sapiens ubiquitin specific protease 16	3900	100.000
7585	X16166	Homo sapiens cytokine 21	624	98.913
7586	U73522	Homo sapiens AMSH	2818	100.000
7587	Y17454	Homo sapiens LSFRL protein	892	98.496
7588	Y07968	Homo sapiens TFG	2711	99.501
7589	AB023222	Homo sapiens KIAA1005 protein	6867	100.000
7590	U88167	Caenorhabditis elegans No definition line found	124	30.208
7591	AF117657	Homo sapiens thyroid hormone receptor-associated protein complex component TRAP80	4754	99.860
7592	U46754	Aphrodite aculeata nerve myoglobin	186	30.496
7593	X91809	Homo sapiens GAIP	1523	100.000
7594	M11759	Lycopersicon esculentum cell wall hydroxyproline-rich glycoprotein	102	57.143
7595	X76228	Homo sapiens vacuolar H+ ATPase E subunit	1427	100.000
7596	X80333	Mus musculus rab18	1344	99.029
7597	AL022238	Homo sapiens dJ1042K10.2.1 (novel protein with probable rabGAP domains and Src homology domain 3) (isoform 1)	5195	99.871
7598	AJ224875	Homo sapiens glucosyltransferase	3557	99.060
7599	AB020680	Homo sapiens KIAA0873 protein	3012	99.785
7600	Z37986	Homo sapiens phenylalkylamine binding protein	1611	100.000
7601	D43949	Homo sapiens This gene is novel.	4103	100.000
7602	Y07923	Homo sapiens GTP-binding protein	1530	99.138
7603	Z32683	Caenorhabditis elegans similar to RNA binding protein; cDNA EST EMBL:D73574 comes from this gene; cDNA EST yk613f4.3 comes from this gene	229	41.379
7604	AB007893	Homo sapiens KIAA0433	8170	98.956
7605	A58552	unidentified unnamed protein product	720	100.000
7606	AF055016	Homo sapiens unknown	1511	99.539
7607	AF078848	Homo sapiens BUP	1272	100.000
7608	U28168	Mus musculus GP106	760	60.819
7609	AL117237	Homo sapiens hypothetical protein	6229	99.783
7610	AJ010277	Homo sapiens TBX19 protein	3093	100.000
7611	X95190	Homo sapiens branched chain acyl-CoA oxidase	4547	100.000

7612	K01075	synthetic construct circumsporozoite (CS) fusion prot (partial)	141	26.271
7613	AL023859	Unknown SPBC19C7.07c, putative tRNA splicing endonuclease gamma subunit, len:284aa, similar eg.	281	25.436
7614	AF100748	Homo sapiens HSPC035 protein	2389	99.410
7615	S75997	Rattus sp. nucleoporin p62 homolog	227	36.184
7616	X66295	Mus musculus Clq C chain	1273	73.171
7617	U72680	Mus musculus ion channel homolog RIC	437	48.913
7618	AB028962	Homo sapiens KIAA1039 protein	2901	99.097
7619	AF132966	Homo sapiens CGI-32 protein	1750	99.267
7620	AF042284	Homo sapiens unknown	2991	100.000
7621	AB002377	Homo sapiens KIAA0379	5874	100.000
7622	X55681	Lycopersicon esculentum extensin (class I)	173	34.524
7623	AC005023	Homo sapiens match to EST AA361117 (NID:g2013436)	1021	100.000
7624	X78925	Homo sapiens zinc finger protein	5133	99.727
7625	AF044956	Homo sapiens NADH:ubiquinone oxidoreductase B22 subunit	1311	100.000
7626	X03084	Homo sapiens Clq B-chain precursor	1598	100.000
7627	AF064257	Homo sapiens Dhml-like protein	6589	98.947
7628	AC007055	Homo sapiens unknown	1337	100.000
7629	AC005253	Homo sapiens R26445 1	1191	100.000
7630	AL031179	Schizosaccharomyces pombe hypothetical protein	192	29.577
7631	X03077	Homo sapiens lactate dehydrogenase-A	2167	100.000
7632	M16424	Homo sapiens beta-hexosaminidase alpha chain	3651	100.000
7633	Z77667	Caenorhabditis elegans cDNA EST EMBL:C08125 comes from this gene; cDNA EST EMBL:C09753 comes from this gene	1034	38.673
7634	X02544	Homo sapiens alpha1-acid glycoprotein	1338	99.502
7635	AC004000	Homo sapiens match to EST AA085966 (NID:g1629547)	491	100.000
7636	U47924	Homo sapiens B-cell receptor associated protein	1872	100.000
7637	X17025	Homo sapiens homologue of yeast IPP isomerase	1537	100.000
7638	AF129131	Xenopus laevis putative Zic3 binding protein; CBP3 protein homolog	1094	75.000
7639	M57424	Homo sapiens adenine nucleotide translocator-2	1876	92.905
7640	U57344	Mus musculus Meis3	2357	89.153
7641	U57344	Mus musculus Meis3	2067	81.266
7642	AF033120	Homo sapiens p53 regulated PA26-T2 nuclear protein	1765	58.439
7643	AF052193	Gallus gallus translation repressor	506	100.000
7644	U27838	Mus musculus glycosyl-phosphatidyl-inositol-anchored protein homolog	4246	96.189
7645	AB008549	Homo sapiens type 1 procollagen C-proteinase enhancer protein	3096	100.000
7646	D79990	Homo sapiens KIAA0168	1147	58.567
7647	L14429	Caenorhabditis elegans putative	497	88.235
7648	AL023496	Streptomyces coelicolor hypothetical protein	202	34.483
7649	AF098669	Emericella nidulans pantothenate kinase	608	36.943
7650	AF151869	Homo sapiens CGI-111 protein	1256	98.492
7651	U79258	Homo sapiens unknown	797	100.000
7652	U77327	Homo sapiens Ki-1/57 intracellular antigen	2064	98.997
7653	X51466	Homo sapiens elongation factor 2	5711	100.000
7654	X83618	Homo sapiens hydroxymethylglutaryl-CoA synthase	3368	99.803
7655	X02544	Homo sapiens alpha1-acid glycoprotein	1338	99.502
7656	D50646	Mus musculus SDF2	905	65.482

7657	AF102805	Drosophila melanogaster Peter Pan	976	35.745
7658	AL031431	Homo sapiens dJ462023.2 (novel protein)	2614	100.000
7659	X83300	Homo sapiens SMA4	993	99.286
7660	K03207	Homo sapiens salivary proline-rich protein precursor	1712	89.879
7661	AJ000342	Homo sapiens DMBT1/6kb.1 protein	1281 5	99.888
7662	X54134	Homo sapiens protein-tyrosine phosphatase	4739	100.000
7663	AL031709	Homo sapiens c3l6G12.3 (novel protein)	2093	100.000
7664	S45367	Canis familiaris centractin	2488	100.000
7665	M27444	Bos taurus phosphoprotein	1218	90.196
7666	AF007889	Symbiodinium microadriaticum calmodulin	845	91.304
7667	X97324	Homo sapiens adipophilin	2740	99.542
7668	X14479	Canis familiaris calcyphosin (AA 1-189)	726	55.738
7669	Z38113	Saccharomyces cerevisiae orf, len: 99, CAI=0.21	262	42.424
7670	M65066	Homo sapiens cAMP-dependent protein kinase RI-beta regulatory subunit	2497	99.737
7671	AJ001340	Homo sapiens U3 snoRNP associated 55 kDa protein	3168	100.000
7672	U88573	Homo sapiens NBR2	419	95.082
7673	AF077030	Homo sapiens hypothetical 43.2 kDa protein	581	32.283
7674	Z32840	Unknown similar to TCP-1 like chaperonin; cDNA EST EMBL:Z14945 comes from this gene; cDNA EST EMBL:	2514	68.470
7675	U40060	Caenorhabditis elegans weakly similar to E. nidulans bimA gene product (SP:P17885)	1086	39.367
7676	AL080125	Homo sapiens hypothetical protein	3827	100.000
7677	D80002	Homo sapiens KIAA0180	2380	100.000
7678	Z49878	Homo sapiens guanidinoacetate N-methyltransferase	1640	100.000
7679	AF092092	Homo sapiens AP-3 adaptor complex mu3A subunit	2760	100.000
7680	X95073	Homo sapiens Translin associated protein X	1890	100.000
7681	Z68218	Caenorhabditis elegans K01H12.1	348	67.143
7682	Y12065	Homo sapiens hNop56	3730	98.833
7683	AF110956	Homo sapiens SUMO-1 activating enzyme subunit 1	2280	100.000
7684	AL022476	Homo sapiens dJ323M22.2.1 (novel protein similar to KIAA0173 and worm Tubulin Tyrosine Ligase) (isoform 1)	2864	100.000
7685	AL050373	Homo sapiens hypothetical protein	2230	100.000
7686	AF151879	Homo sapiens CGI-121 protein	1092	100.000
7687	AF093680	Homo sapiens transcription factor IIB	1281	100.000
7688	AL080125	Homo sapiens hypothetical protein	4064	100.000
7689	X57814	Homo sapiens immunoglobulin lambda light chain	1483	96.203
7690	AF153609	Homo sapiens serine/threonine protein kinase sgk	1878	67.561
7691	AF056617	Homo sapiens BWSCR2 associated zinc-finger protein BAZ1	4365	100.000
7692	S70312	Homo sapiens alpha-adducin {IT10C2, alternatively spliced}	209	97.059
7693	AL031228	Homo sapiens dJ1033B10.8.1 (Ring finger protein 1 (RING1, RNF1))	2607	100.000
7694	AL031324	Schizosaccharomyces pombe very hypothetical protein	210	40.909
7695	X83543	Homo sapiens APXL	1102 2	100.000
7696	AL035307	Homo sapiens hypothetical protein	1985	89.736
7697	AF067136	Homo sapiens protein phosphatase-1 regulatory	288	42.958

		subunit 7 alpha2		
7698	AJ012008	Homo sapiens DDAH protein	1901	100.000
7699	AL117428	Homo sapiens hypothetical protein	3990	100.000
7700	AF084259	Mus musculus bromodomain-containing protein BP75	1137	36.013
7701	U71383	Homo sapiens OB binding protein-2	3754	99.819
7702	AF067406	Homo sapiens vascular adhesion protein-1; semicarbazide sensitive amine oxidase; copper-containing amine oxidase homolog	5178	97.772
7703	X74837	Homo sapiens Man9-mannosidase	4199	99.840
7704	X04494	Homo sapiens precursor polypeptide	2437	100.000
7705	AF135157	Homo sapiens complement Clq A chain precursor	1718	100.000
7706	AB009282	Homo sapiens cytochrome b5	968	99.315
7707	U91541	Homo sapiens human formiminotransferase cyclodeaminase (ftcd)protein, carboxy-terminal end	928	100.000
7708	AF151893	Homo sapiens CGI-135 protein	947	98.684
7709	Y00752	Rattus norvegicus serine dehydratase (AA 1 - 327)	1281	61.562
7710	AF159133	Oryza sativa subsp. indica SIR2-like protein	523	40.984
7711	M94065	Homo sapiens dihydroorotate dehydrogenase	2551	99.241
7712	AJ006973	Homo sapiens TOM1	3225	100.000
7713	AC004528	Homo sapiens R32184 1	2891	99.304
7714	L11702	Homo sapiens phospholipase D	5653	99.761
7715	AL050280	Homo sapiens hypothetical protein	2481	100.000
7716	U28412	Caenorhabditis elegans similar to polyposis locus protein 1 (SP:DP1 HUMAN, Q00765)	558	52.174
7717	AE001044	Archaeoglobus fulgidus carboxylesterase (est-1)	258	25.726
7718	Z71316	Saccharomyces cerevisiae ORF YNL040w	513	28.029
7719	AF132954	Homo sapiens CGI-20 protein	1824	99.638
7720	X71129	Homo sapiens electron transfer flavoprotein beta subunit	1613	99.608
7721	AL035602	Arabidopsis thaliana putative protein	840	37.845
7722	AJ133534	Homo sapiens prenylated Rab acceptor 1 (PRA1)	1224	99.459
7723	X67250	Rattus norvegicus n-chimaerin	2184	97.006
7724	Z77654	Caenorhabditis elegans predicted using Genefinder; Similarity to Drosophila RNA binding protein squid (SW:SQD_DROME); cDNA EST yk638a1.3 comes from this gene	225	31.356
7725	S82637	Homo sapiens Ig lambda-like gene/beta-glucuronidase exon 11 homolog	317	100.000
7726	Y07847	Homo sapiens RRP22 protein	1420	100.000
7727	X82224	Homo sapiens glutamine--phenylpyruvate aminotransferase	2906	100.000
7728	AL049989	Homo sapiens hypothetical protein	2730	99.045
7729	U05784	Rattus norvegicus light chain 3 subunit of microtubule-associated proteins 1A and 1B	777	96.000
7730	AF056184	Homo sapiens WS basic-helix-loop-helix leucine zipper protein	1499	99.142
7731	U82381	Homo sapiens proline dehydrogenase/proline oxidase	3335	99.802
7732	Y16346	Homo sapiens COL1A1 and PDGFB fusion transcript	99	37.500
7733	S77099	Drosophila pseudoobscura, Peptide, 149 aa Jan A	343	44.800
7734	AF118240	Homo sapiens peroxisomal biogenesis factor 16	2218	99.405
7735	AF060862	Homo sapiens unknown	547	96.296
7736	AC005917	Arabidopsis thaliana putative transmembrane	657	29.472

		transport protein		
7737	Z47356	Caenorhabditis elegans similar to DNAJ	1348	58.892
7738	AC003028	Arabidopsis thaliana unknown protein	150	29.825
7739	AC002550	Homo sapiens Unknown gene product	1244	100.000
7740	AF095927	Rattus norvegicus protein phosphatase 2C	2475	95.153
7741	U14003	Escherichia coli Kenn Rudd identifies as gpmB	199	35.156
7742	AJ224639	Homo sapiens Surf5b	1290	99.500
7743	AB004534	Schizosaccharomyces pombe pi015	246	25.105
7744	AB002368	Homo sapiens KIAA0370	5083	100.000
7745	X64002	Homo sapiens RAP74	3384	99.807
7746	AF070572	Homo sapiens unknown	4096	100.000
7747	Z96932	Homo sapiens nuclear autoantigen fo 14 kDa	735	99.160
7748	AL117458	Homo sapiens hypothetical protein	2341	100.000
7749	X69910	Homo sapiens P63 protein	3775	99.336
7750	U80736	Homo sapiens CAGF9	2129	99.091
7751	AC005609	Homo sapiens KIAA0345-like 4	5346	99.279
7752	Z99112	Bacillus subtilis similar to hypothetical proteins	506	34.127
7753	AB014514	Homo sapiens KIAA0614 protein	1073 6	100.000
7754	AF097518	Homo sapiens liver-specific transporter	3611	100.000
7755	U47101	Homo sapiens NifU-like protein	779	100.000
7756	AJ005897	Homo sapiens JM5	2429	100.000
7757	AC004997	Unknown match to ESTs AA667999 (NID:g2626700), AA165465 (NID:g1741481), 245871 (NID:g575105), and	3045	100.000
7758	Y16790	Homo sapiens keratin type I	2592	99.239
7759	AF091621	Catharanthus roseus ubiquitin-conjugating enzyme E2	513	51.370
7760	Z98981	Schizosaccharomyces pombe hypothetical protein	225	39.450
7761	V00148	Caenorhabditis elegans unnamed protein product	164	39.024
7762	AL022729	Homo sapiens hypothetical protein	1200	98.925
7763	AF091087	Homo sapiens unknown	309	100.000
7764	AL049746	Arabidopsis thaliana putative protein	862	65.746
7765	AJ222969	Mus musculus S-periaxin	156	27.835
7766	AB014525	Homo sapiens KIAA0625 protein	5286	99.874
7767	AC002342	Arabidopsis thaliana Dreg-2 like protein	348	32.075
7768	AF151855	Homo sapiens CGI-97 protein	1538	96.400
7769	U41559	Caenorhabditis elegans No definition line found	311	26.724
7770	AF025459	Caenorhabditis elegans No definition line found	261	28.326
7771	M74555	Mus musculus house-keeping protein	1452	53.061
7772	Z50194	Homo sapiens PQ-rich protein	2794	96.750
7773	X79888	Homo sapiens AU-binding protein/Enoyl-CoA hydratase	514	59.504
7774	U37251	Homo sapiens Description: KRAB zinc finger protein; this is a splicing variant that contains a stop codon and frame shift between the KRAB box and the zinc finger region; Method: conceptual translation supplied by author	254	43.689
7775	D42084	Homo sapiens KIAA0094 gene product is related to S.cerevisiae methionine aminopeptidase.	2745	100.000
7776	AL022117	Schizosaccharomyces pombe hypothetical protein	413	41.379
7777	AF173378	Homo sapiens 60S acidic ribosomal protein PO	1567	99.582
7778	Z25821	Homo sapiens dodecenoyl-CoA delta-isomerase	1966	100.000
7779	AC007231	Arabidopsis thaliana putative disease resistance protein	825	39.640

7780	AF110643	Homo sapiens UMP-CMP kinase	1296	100.000
7781	U88173	Caenorhabditis elegans weak similarity to Arabidopsis thaliana ubiquitin-like protein 8	418	80.822
7782	X95826	Homo sapiens mono-ADP-ribosyltransferase	1768	99.251
7783	M12098	Rattus norvegicus myosin heavy chain	164	24.458
7784	AF151899	Homo sapiens CGI-141 protein	848	94.286
7785	AF177862	Homo sapiens HN1 protein	1030	100.000
7786	M97589	Homo sapiens prostatic acid phosphatase	311	27.295
7787	X54352	Mus musculus domesticus ORF MD6	2778	97.852
7788	AF049090	Homo sapiens casein kinase I gamma 3L	3101	99.560
7789	U69263	Homo sapiens matrilin-2 precursor	625	82.787
7790	AF053356	Homo sapiens ORF3, splicevariant b	1599	100.000
7791	X54162	Homo sapiens 64 Kd autoantigen	3694	99.301
7792	AF184939	Homo sapiens LDL induced EC protein	575	52.023
7793	X75593	Homo sapiens rab 13	1320	100.000
7794	AF118670	Homo sapiens orphan G protein-coupled receptor	2496	100.000
7795	AL117639	Homo sapiens hypothetical protein	1718	99.621
7796	U29463	Homo sapiens cytochrome b561	1643	98.805
7797	AL110479	Caenorhabditis elegans predicted using Genefinder; preliminary prediction	916	47.535
7798	AB024984	Mus musculus Sid329p	2524	98.649
7799	AJ005273	Homo sapiens Kin17	2556	100.000
7800	AF152463	Homo sapiens RAB14 protein	1417	99.535
7801	M81231	Rattus norvegicus primary translation product of SP-D	639	35.738
7802	X02530	Homo sapiens early response precursor polypeptide (aa-21 to 77)	631	98.980
7803	AF121860	Homo sapiens sorting nexin 10	1341	98.507
7804	AC006233	Arabidopsis thaliana hypothetical protein	156	46.429
7805	AF100740	Homo sapiens ARF-family of Ras related GTPases	1187	100.000
7806	X86030	Vigna unguiculata extensin-like protein	218	31.405
7807	AJ243972	Homo sapiens 6-phosphogluconolactonase	1694	99.612
7808	AF058953	Homo sapiens ATP-specific succinyl-CoA synthetase beta subunit	2741	100.000
7809	Z82192	Homo sapiens dJ18601.1	820	100.000
7810	S58722	Homo sapiens X-linked retinopathy protein {C-terminal, clone XEH.8c}	272	66.667
7811	AF139658	Homo sapiens origin recognition complex subunit 6	965	100.000
7812	J04204	Bos taurus 32 kd accessory protein	2213	100.000
7813	L37877	Filobasidiella neoformans ribosomal protein L27	241	45.349
7814	AF116865	Mus musculus hedgehog-interacting protein	4208	93.858
7815	X66975	Homo sapiens nuclear ribonucleoprotein	3362	95.332
7816	AF151864	Homo sapiens CGI-106 protein	1431	100.000
7817	X99906	Homo sapiens alpha endosulfine	798	100.000
7818	AF110520	Mus musculus NG29	968	56.884
7819	AB015339	Homo sapiens HRIHFB2255	868	55.556
7820	AC006233	Arabidopsis thaliana hypothetical protein	147	48.000
7821	AF111856	Homo sapiens sodium dependent phosphate transporter isoform NaPi-3b	4595	99.855
7822	AF151835	Homo sapiens CGI-78 protein	973	59.167
7823	AF092094	Homo sapiens AP-4 adaptor complex beta4 subunit	4916	99.865
7824	D13208	Mus musculus 8hs20 protein precursor	514	65.487
7825	X94355	Cowpox virus D17L	261	29.412
7826	AC002388	Arabidopsis thaliana 60S ribosomal protein L30 isolog	628	60.140
7827	U28412	Caenorhabditis elegans similar to polyposis	515	47.134

		locus protein 1 (SP:DPI_HUMAN, Q00765)		
7828	X93036	Homo sapiens MAT8 protein	608	100.000
7829	AF060862	Homo sapiens unknown	302	85.417
7830	AB020630	Homo sapiens KIAA0823 protein	977	43.765
7831	AJ001874	Homo sapiens orf	524	98.701
7832	Z78542	Unknown predicted using Genefinder; cDNA EST EMBL:Z14514 comes from this gene; cDNA EST EMBL:D71033	261	35.156
7833	AJ002309	Homo sapiens synaptogyrin 3	1471	100.000
7834	AB021866	Homo sapiens CIB	50	38.095
7835	AC005067	Homo sapiens Supported by Human EST H08032.1 (NID:g872854), mouse EST AA870042.1 (NID:g2965487), and genscan	2465	100.000
7836	D86971	Homo sapiens no similarities to reported gene products	4509	99.851
7837	X91504	Homo sapiens GTPase	1339	100.000
7838	X99584	Homo sapiens SMT3A protein	669	98.058
7839	AL031778	Homo sapiens dJ34B21.3 (PUTATIVE novel protein)	539	100.000
7840	X66295	Mus musculus Clq C chain	1273	73.171
7841	M96264	Homo sapiens galactose-1-phosphate uridyl transferase	2668	100.000
7842	X77307	Homo sapiens 5-HT2B serotonin receptor	3109	100.000
7843	AC004625	Arabidopsis thaliana unknown protein	244	44.660
7844	Z49968	Caenorhabditis elegans weak similarity to the yeast SSM4 protein (Swiss Prot accession number P40318)	200	40.909
7845	AF001602	Homo sapiens paraoxonase	154	100.000
7846	Y11411	Homo sapiens pristanoyl-CoA oxidase	4620	99.000
7847	AJ235270	Rickettsia prowazekii GLUTAMYL-tRNA AMIDOTRANSFERASE SUBUNIT A (gatA)	1206	40.562
7848	AF181856	Rattus norvegicus tRNA selenocysteine associated protein	1941	99.303
7849	AL035398	Homo sapiens dJ796I17.2 (CGI-51)	3174	99.787
7850	X53064	Homo sapiens small proline-rich protein	628	100.000
7851	X04366	Homo sapiens CANP, large subunit (aa 1-714)	4816	100.000
7852	AF151834	Homo sapiens CGI-76 protein	2156	99.077
7853	U89649	Chlamydomonas reinhardtii Mr19,000 outer arm dynein light chain	319	34.454
7854	AL050008	Homo sapiens hypothetical protein	761	56.923
7855	J05019	Mus musculus high affinity IgE receptor beta subunit	229	28.641
7856	AJ009985	Homo sapiens annexin 31 (annexin XXXI)	2147	100.000
7857	AF115345	Homo sapiens calcium-regulated heat stable protein CRHSP-24	1017	99.320
7858	Z29328	Homo sapiens Ubiquitin-conjugating enzyme UbCH2	1228	100.000
7859	AF125175	Homo sapiens angiopoietin-related protein-2	3433	100.000
7860	U29488	Caenorhabditis elegans No definition line found	729	55.349
7861	AJ002030	Homo sapiens progesterone binding protein	1492	100.000
7862	AL080097	Homo sapiens hypothetical protein	1835	100.000
7863	AJ249248	Homo sapiens putative G protein-coupled Receptor	2270	100.000
7864	X07743	Homo sapiens pleckstrin (AA 1-350)	2360	99.714
7865	X57158	Gallus gallus CHOX M product	907	78.736
7866	X70649	Homo sapiens member of DEAD box protein family	5029	100.000
7867	AF141309	Homo sapiens polyamine modulated factor-1	1072	98.788
7868	AF072128	Mus musculus claudin-2	1404	91.304

7869	AF093204	Gallus gallus unknown	452	62.626
7870	AC005162	Homo sapiens probable carboxypeptidase precursor; 64% similar to P42660 (PID:g1718107)	2014	100.000
7871	Z72576	Saccharomyces cerevisiae ORF YGL054c	357	42.446
7872	AF020797	Homo sapiens AP-mu chain family member mu1B	2730	99.764
7873	AF145316	Homo sapiens vacuolar proton pump delta polypeptide	1515	100.000
7874	X63417	Homo sapiens IRLB	1331	100.000
7875	AC004472	Homo sapiens P1.11659 4	2107	95.798
7876	J00287	Homo sapiens pepsinogen	2579	99.742
7877	AL022020	Mycobacterium tuberculosis hypothetical protein Rv1920	254	33.835
7878	AB006628	Homo sapiens KIAA0290	6072	100.000
7879	AF159063	Homo sapiens SKD1-homolog	2872	100.000
7880	Y09333	Rattus norvegicus mitochondrial very-long-chain acyl-CoA thioesterase	2285	74.066
7881	M59488	Homo sapiens S100 protein beta subunit	606	100.000
7882	X98506	Solanum tuberosum acetyl-CoA synthetase	2624	59.685
7883	AC005545	Homo sapiens R26660 2, partial CDS	199	100.000
7884	AF022977	Caenorhabditis elegans contains similarity to leucine-rich repeats (LRR)	227	36.885
7885	S62904	Homo sapiens thiopurine methyltransferase, TPMT {EC 2.1.1.67}	1692	100.000
7886	AC006153	Homo sapiens similar to Aquifex aeolicus GTP-binding protein; similar to AE000771 (PID:g2984292)	1283	88.793
7887	AJ001016	Homo sapiens RAMP3	1044	100.000
7888	AL031633	Caenorhabditis elegans cDNA EST yk404d1.5 comes from this gene; cDNA EST yk404d1.3 comes from this gene; cDNA EST yk672a9.3 comes from this gene	530	43.243
7889	AE001023	Archaeoglobus fulgidus A. fulgidus predicted coding region AF1178	206	35.000
7890	D00763	Homo sapiens proteasome subunit C9	1682	100.000
7891	AL050040	Homo sapiens hypothetical protein	2713	100.000
7892	X53799	Homo sapiens macrophage inflammatory protein-2alpha precursor	682	100.000
7893	AF151853	Homo sapiens CGI-95 protein	1546	100.000
7894	X57802	Homo sapiens immunoglobulin lambda light chain	1439	92.704
7895	X75208	Homo sapiens protein tyrosine kinase-receptor	6755	100.000
7896	AL021453	Homo sapiens dJ821D11.1 (PUTATIVE protein)	335	100.000
7897	AF110645	Homo sapiens candidate tumor suppressor p33 ING1 homolog	1683	100.000
7898	Y08565	Homo sapiens UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase	4280	99.839
7899	AF043350	Homo sapiens lymphocyte-specific protein 1	293	100.000
7900	AF061023	Gallus gallus ChT1	180	20.879
7901	U28412	Caenorhabditis elegans similar to polyposis locus protein 1 (SP:DP1 HUMAN, Q00765)	543	49.080
7902	AF186772	Homo sapiens surfeit 6 protein	2301	99.446
7903	L16991	Homo sapiens thymidylate kinase	1376	98.585
7904	Y13835	Homo sapiens farnesylated-proteins converting enzyme 2	2269	100.000
7905	Z22555	Homo sapiens CLA-1	3422	99.607
7906	AL035521	Arabidopsis thaliana putative protein	417	41.772
7907	AF026246	Homo sapiens HERV-E integrase	498	86.250
7908	AL117473	Homo sapiens hypothetical protein	2778	100.000
7909	AL109736	Schizosaccharomyces pombe WD repeat protein	822	41.319

7910	AL110477	Caenorhabditis elegans predicted using Genefinder; cDNA EST yk551g5.3 comes from this gene	1000	39.484
7911	AL049946	Homo sapiens hypothetical protein	3936	99.486
7912	AF115384	Homo sapiens LR8	1747	98.519
7913	X98253	Homo sapiens ZNF183	2392	100.000
7914	AF151816	Homo sapiens CGI-58 protein	2412	99.713
7915	L19684	Homo sapiens kallistatin	1128	43.972
7916	AJ238979	Homo sapiens annexin A10 protein	2198	99.074
7917	D87470	Homo sapiens KIAA0280	1989	100.000
7918	AF045606	Homo sapiens C21orf4	1091	99.367
7919	AF119297	Homo sapiens neuroendocrine-specific protein-like protein 1	1482	99.576
7920	AF151906	Homo sapiens CGI-148 protein	1184	98.324
7921	AL121733	Homo sapiens hypothetical protein	414	36.946
7922	AF094516	Homo sapiens El-like protein	4764	100.000
7923	AL117183	Schizosaccharomyces pombe very hypothetical protein	191	33.113
7924	Z50028	Caenorhabditis elegans cDNA EST yk321h8.5 comes from this gene; cDNA EST EMBL:D68896 comes from this gene; cDNA EST yk395f9.5 comes from this gene; cDNA EST yk360f12.5 comes from this gene	776	33.915
7925	U16307	Homo sapiens glioma pathogenesis-related protein	437	38.953
7926	Y10696	Homo sapiens INE1	370	98.039
7927	X13956	Homo sapiens 9kD protein (AA 1-82)	243	91.667
7928	Z46789	Bos taurus cylicin II	202	24.590
7929	AL050137	Homo sapiens hypothetical protein	2921	99.769
7930	Z66521	Caenorhabditis elegans similar to mitochondrial RNA splicing MSR4 like protein; cDNA EST EMBL:C09217 comes from this gene	1012	51.333
7931	AL117540	Homo sapiens hypothetical protein	856	96.875
7932	AB028954	Homo sapiens KIAA1031 protein	6512	100.000
7933	X55740	Homo sapiens 5'-nucleotidase	3833	99.826
7934	AF132174	Drosophila melanogaster unknown	361	29.310
7935	A01046	Homo sapiens lipase	2717	100.000
7936	X68274	Homo sapiens TAG-1/axonin-1	6974	99.519
7937	AF018034	Homo sapiens endothelin converting enzyme-1	147	36.364
7938	U69172	Mus musculus unknown	1142	66.192
7939	AB001684	Chlorella vulgaris ORF54d	105	53.125
7940	L08069	Homo sapiens DNAJ homologue-2	2030	73.618
7941	X82895	Homo sapiens DLG2	3799	99.826
7942	Y14768	Homo sapiens V-ATPase G-subunit like protein	753	100.000
7943	AB013721	Oryctolagus cuniculus mitsugumin 23	1374	88.477
7944	U72970	Sus scrofa calcium/calmodulin-dependent protein kinase II isoform gamma-B	3487	100.000
7945	AL110235	Homo sapiens hypothetical protein	1099	99.387
7946	L13291	Homo sapiens ADP-ribosylarginine hydrolase	1035	45.915
7947	AF125096	Homo sapiens HSPC042 protein	697	100.000
7948	D50917	Homo sapiens The KIAA0127 gene product is novel.	244	26.923
7949	AF085361	Homo sapiens HSPC032	2043	100.000
7950	M20030	Homo sapiens small proline rich protein	126	39.623
7951	U00032	Caenorhabditis elegans No definition line found	383	43.333
7952	X92814	Homo sapiens homologous to rat HREV107 (ACC.NO. X76453)	1065	99.383
7953	Z50026	Bos taurus phosphatidylcholine transfer	1217	81.132

		protein		
7954	AF059531	Homo sapiens protein arginine N-methyltransferase 3	3391	99.805
7955	AF009242	Homo sapiens proline-rich Gla protein 1	1493	100.000
7956	U94586	Homo sapiens NADH:ubiquinone oxidoreductase MLRQ subunit	567	100.000
7957	AL050352	Arabidopsis thaliana putative protein	212	41.333
7958	AL050100	Homo sapiens hypothetical protein	211	53.968
7959	AL050253	Homo sapiens hypothetical protein	5426	100.000
7960	AL034562	Homo sapiens dJ684024.2 (prodynorphin (Beta-Neoendorphin-Dynorphin precursor, Proenkephalin B precursor))	1709	100.000
7961	AL117444	Homo sapiens hypothetical protein	2760	100.000
7962	AF144638	Homo sapiens sphingosine-1-phosphate lyase	3786	99.824
7963	Y15286	Homo sapiens vacuolar proton-ATPase subunit M9.2	444	71.250
7964	AF071062	Homo sapiens disabled-1	3689	99.457
7965	X83006	Homo sapiens neutrophil gelatinase associated lipocalin	276	40.367
7966	U34973	Mus musculus protein tyrosine phosphatase-like	1449	95.964
7967	X78627	Homo sapiens translin	1452	100.000
7968	AF150087	Homo sapiens small zinc finger-like protein	557	100.000
7969	AJ011895	Homo sapiens Naf1 alpha protein	4210	100.000
7970	M27071	Mus musculus protein phosphatase 1	2177	99.682
7971	M23234	Homo sapiens P-glycoprotein	8147	99.609
7972	AJ132445	Homo sapiens claudin-14	1487	99.103
7973	U47924	Homo sapiens B-cell receptor associated protein	1872	100.000
7974	U66411	Drosophila melanogaster putative type III alcohol dehydrogenase	1307	49.403
7975	AF151863	Homo sapiens CGI-105 protein	2122	99.682
7976	M36803	Homo sapiens hemopexin	3365	100.000
7977	X63629	Homo sapiens p-cadherin	5547	99.759
7978	Y10376	Homo sapiens SIRP-beta1	2636	99.497
7979	M86510	Schistosoma mansoni glutathione peroxidase	431	43.125
7980	AJ238096	Homo sapiens Lsm4 protein	973	100.000
7981	AF092128	Homo sapiens putative transmembrane protein E3-16	1798	100.000
7982	X89969	Bos taurus polyA binding protein II	2062	99.346
7983	AL110239	Homo sapiens hypothetical protein	1579	99.578
7984	AF007170	Homo sapiens unknown	3714	99.645
7985	AF176116	Homo sapiens Down Syndrome candidate region 1-like protein 2	1617	100.000
7986	AE000850	Methanobacterium thermoautotrophicum transcriptional regulator	541	55.303
7987	AF098284	Cloning vector pERV3 retinoic acid receptor RXR	3127	99.784
7988	AL023592	Schizosaccharomyces pombe hypothetical protein	241	28.934
7989	AL035496	Homo sapiens dJ437022.1 (novel VHS domain containing protein similar to predicted worm and human proteins)	438	100.000
7990	AF058448	Homo sapiens herpesvirus entry protein B	3219	100.000
7991	Z48795	Unknown similarity to a thioredoxin-like protein from Bacillus subtilis (Swiss Prot accession numbe	322	37.255
7992	AJ005866	Homo sapiens Sqv-7-like protein	1669	99.617
7993	AL049929	Homo sapiens hypothetical protein	2118	99.697
7994	AL049699	Homo sapiens dJ747H23.2 (novel protein)	577	35.069
7995	AB007952	Homo sapiens KIAA0483 protein	1917	100.000

7996	Y13323	Homo sapiens disintegrin-protease	3182	100.000
7997	X15393	Homo sapiens motilin	734	100.000
7998	X61615	Homo sapiens leukemia inhibitory factor receptor	7398	99.544
7999	AB015330	Homo sapiens HRIHFB2007	1194	98.844
8000	X04325	Homo sapiens gap junction protein (aa 1-283)	1909	99.647
8001	U08215	Mus musculus NST-1	2986	90.215
8002	X74504	Mus musculus T10	412	83.784
8003	AL110244	Homo sapiens hypothetical protein	369	29.204
8004	AB029004	Homo sapiens KIAA1081 protein	3233	100.000
8005	Z50022	Homo sapiens putative surface glycoprotein	1269	100.000
8006	L31649	Saccharomyces cerevisiae cdc91	616	27.873
8007	AL117629	Homo sapiens hypothetical protein	796	73.545
8008	AF156957	Homo sapiens NTF2-related export protein NXT1	935	100.000
8009	U05321	Homo sapiens X-linked PEST-containing transporter	4196	100.000
8010	U42580	Paramecium bursaria Chlorella virus 1 Pro- and Glu-rich, PENPEV (10x); similar to Streptococcus B antigen, corresponds to Swiss-Prot Accession Number P27951	188	37.975
8011	X53390	Homo sapiens upstream binding factor (AA 1-764)	5104	100.000
8012	AB018268	Homo sapiens KIAA0725 protein	3843	99.825
8013	AF105201	Homo sapiens G-protein alpha subunit 14	2329	100.000
8014	AL117587	Homo sapiens hypothetical protein	1151	100.000
8015	AL031010	Homo sapiens dJ422F24.1 (PUTATIVE novel protein similar to C. elegans C02C2.5)	336	100.000
8016	U28016	Mus musculus parathion hydrolase (phosphotriesterase)-related protein	2065	87.679
8017	AC004918	Homo sapiens structure confirmed by Genscan, human EST AA447021 (NID:g2159686) and mouse EST AA119040 (NID:g1676735)	1219	100.000
8018	AC004839	Homo sapiens similar to IgD B-cell receptor-associated protein (BAP); similar to S46997 (PID:g1085495)	1540	100.000
8019	AL034488	Caenorhabditis elegans predicted using Genefinder	430	69.512
8020	AB018260	Homo sapiens KIAA0717 protein	4288	99.841
8021	AB001568	Arabidopsis thaliana phospholipid hydroperoxide glutathione peroxidase-like protein	432	40.244
8022	U56965	Caenorhabditis elegans No definition line found	664	43.182
8023	AB029334	Halocynthia roretzi HrpET-1	849	37.903
8024	AJ006291	Homo sapiens leucine rich protein	1934	100.000
8025	AL035304	Homo sapiens hypothetical protein	860	100.000
8026	AF137386	Homo sapiens plasmalipin	1190	100.000
8027	AL035678	Arabidopsis thaliana putative protein	2214	63.916
8028	AF155114	Homo sapiens NY-REN-57 antigen	2932	100.000
8029	AF155196	Rattus norvegicus mindin precursor	1951	85.843
8030	AL109831	Schizosaccharomyces pombe conserved hypothetical protein	399	24.664
8031	L27421	Rattus norvegicus neuronal calcium sensor	1257	100.000
8032	Y12735	Homo sapiens Dyrk3 protein	3726	99.636
8033	M16279	Homo sapiens antigen	251	36.788
8034	AC002985	Homo sapiens R27090 2	3158	100.000
8035	AF007791	Homo sapiens secreted cement gland protein XAG-2 homolog	1131	100.000
8036	AF092878	Homo sapiens zinc RING finger protein SAG	850	100.000

8037	A64586	unidentified unnamed protein product	4352	100.000
8038	AF045644	Caenorhabditis elegans No definition line found	364	39.623
8039	AF161081	Homo sapiens activatory receptor PIRIIBeta	1524	100.000
8040	X64588	Cricetulus longicaudatus cyclin B	2435	87.097
8041	AF132967	Homo sapiens CGI-33 protein	1483	97.826
8042	AL049758	Homo sapiens dJ437M21.2 (novel putative GTP-ase activating protein for Arf similar to worm F07F6.4)	900	63.592
8043	AF070657	Homo sapiens glutathione S-transferase subunit 13 homolog	1522	100.000
8044	AF151848	Homo sapiens CGI-90 protein	299	32.143
8045	L40357	Homo sapiens thyroid receptor interactor	692	93.750
8046	Y18503	Homo sapiens XAP-5-like protein	2142	100.000
8047	Z97340	Arabidopsis thaliana isomerase like protein	780	53.241
8048	AL080076	Homo sapiens hypothetical protein	2598	97.297
8049	M33141	Bos taurus GTP-binding protein (smg p21B)	1200	100.000
8050	X03475	Rattus norvegicus ribosomal protein L35a (aa 1-110)	731	99.091
8051	AL049688	Homo sapiens hypothetical protein	3230	100.000
8052	Z11804	Dictyostelium discoideum ras protein	519	50.303
8053	AF120102	Homo sapiens calsenilin	1713	100.000
8054	AF132951	Homo sapiens CGI-17 protein	2475	98.961
8055	AF151842	Homo sapiens CGI-84 protein	1310	100.000
8056	AL117661	Homo sapiens hypothetical protein	4447	99.558
8057	AF159055	Homo sapiens leucine zipper-like protein	139	81.481
8058	AF143859	Mus musculus DEBT-91	1860	96.622
8059	AL117195	Caenorhabditis elegans predicted using Genefinder; preliminary prediction	525	34.746
8060	AF039568	Homo sapiens vesicle trafficking protein	142	73.913
8061	AL022316	Homo sapiens bK126B4.3 (novel protein)	1869	100.000
8062	AJ245709	Homo sapiens Akt-3 protein	3181	98.330
8063	U82382	Homo sapiens PIN1 peptidyl-prolyl cis/trans isomerase-like	124	55.882
8064	Z14122	Xenopus laevis XLCL2	585	77.885
8065	U70855	Caenorhabditis elegans similar to the RAS gene family	1684	44.302
8066	AF152498	Homo sapiens protocadherin beta 5	5120	99.245
8067	Y13647	Homo sapiens stearyl CoA desaturase	2458	99.443
8068	AF151835	Homo sapiens CGI-78 protein	1573	98.780
8069	X67712	Psychrobacter immobilis triacylglycerol lipase	339	27.799
8070	X55764	Homo sapiens 11beta-hydrolase precursor	3358	99.602
8071	AF134726	Homo sapiens NG36	1215	100.000
8072	AF070637	Homo sapiens unknown	537	37.549
8073	AF084457	Homo sapiens beta-cop homolog	6071	99.265
8074	AL050190	Homo sapiens hypothetical protein	1996	99.675
8075	AF131746	Homo sapiens Unknown	873	100.000
8076	A18411	Homo sapiens PIGF	1055	100.000
8077	U97006	Caenorhabditis elegans No definition line found	173	39.189
8078	AJ000217	Homo sapiens CLIC2	1636	99.588
8079	AB030505	Mus musculus UBE-1c2	1365	78.707
8080	AB007191	Homo sapiens AMY-1	649	99.029
8081	AC004472	Homo sapiens TERA HUMAN	5315	100.000
8082	AF077200	Homo sapiens HSPC014	917	100.000
8083	Z81035	Caenorhabditis elegans predicted using Genefinder; Similarity to Yeast DNA-directed RNA polymerase I 13.7 KD polypeptide (SW:P32529)	270	41.964

8084	AL080118	Homo sapiens hypothetical protein	945	94.521
8085	L40410	Homo sapiens thyroid receptor interactor	1040	100.000
8086	X63422	Homo sapiens H(+)-transporting ATP synthase	1035	100.000
8087	AB024713	Mus musculus Supl15h	173	26.455
8088	AP000559	Oryza sativa ESTs AU030008(E50477),AU078239(E50477) correspond to a region of the predicted gene.; Similar to peptidyl-prolyl cis-trans isomerase 10 &CEL0252 4 (P52017)	770	69.375
8089	AF155111	Homo sapiens NY-REN-49 antigen	1083	99.401
8090	AL023553	Homo sapiens dJ347H13.4 (novel protein)	711	100.000
8091	AL109978	Homo sapiens hypothetical protein	2154	100.000
8092	Z35597	Unknown Weak similarity with sea squirt nidogen precursor protein (blastp score 71); cDNA EST EMBL:	770	35.825
8093	J00073	Homo sapiens alpha-cardiac actin	2508	100.000
8094	AF105365	Homo sapiens K-Cl cotransporter KCC4	7183	99.908
8095	M77172	Homo sapiens zinc finger protein	198	57.778
8096	Z50749	Homo sapiens yeast sds22 homolog	2266	100.000
8097	AB028966	Homo sapiens KIAA1043 protein	8243	99.762
8098	M17783	Homo sapiens glia-derived nexin precursor	2588	100.000
8099	AL021481	Unknown similar to WD domain, G-beta repeat (2 domains); cDNA EST yk258d4.3 comes from this gene;	948	42.308
8100	AB002380	Homo sapiens KIAA0382	4913	99.733
8101	M64749	Homo sapiens orphan receptor	2396	98.619
8102	AL117558	Homo sapiens hypothetical protein	918	99.320
8103	M62419	Mus musculus clathrin-associated protein	2778	99.291
8104	AB006191	Mus musculus cornichon-like protein	548	77.660
8105	AL050345	Homo sapiens hypothetical protein	809	100.000
8106	AB023185	Homo sapiens KIAA0968 protein	3495	97.753
8107	AF090402	Mus musculus KH domain RNA binding protein QKI-5A	2113	99.691
8108	L03303	Oryctolagus cuniculus small GTP-binding protein	1300	96.244
8109	L11317	Homo sapiens rhoG	1305	100.000
8110	U00025	Caenorhabditis elegans weak similarity to ATP synthase B chain	689	27.554
8111	AL050286	Homo sapiens hypothetical protein	657	100.000
8112	Y14768	Homo sapiens lymphotoxin-beta	1627	100.000
8113	AL049654	Homo sapiens hypothetical protein	2709	100.000
8114	AF098807	Homo sapiens lipoma HMGIC fusion partner	1430	100.000
8115	Y12473	Homo sapiens centrin	1064	99.401
8116	U77667	Mus musculus tyrosine kinase	3980	93.376
8117	Z35641	Caenorhabditis elegans cDNA EST yk273d8.5 comes from this gene	425	31.650
8118	AF102147	Homo sapiens putative dimethyladenosine transferase	2067	100.000
8119	Z69881	Homo sapiens adenosine triphosphatase, calcium	6546	100.000
8120	X80473	Mus musculus rab19	757	56.995
8121	AB023221	Homo sapiens KIAA1004 protein	3360	100.000
8122	X03884	Homo sapiens 20K polypeptide	1442	100.000
8123	AL023694	Homo sapiens dJ511E16.2 (putative protein based on ESTs)	850	100.000
8124	M91669	Homo sapiens autoantigen	1063 6	99.673
8125	AF151892	Homo sapiens CGI-134 protein	975	100.000
8126	AJ270205	Entodinium caudatum putative phosphatidylinositol-4-phosphate 5-kinase	204	39.326

8127	U09808	Drosophila melanogaster cDNA and genomic are colinear; similar to human connective tissue growth factor, GenBank Accession Number M92934	284	38.333
8128	AJ011400	Bos taurus NADH:ubiquinone oxidoreductase b17.2 subunit	132	30.000
8129	AF003999	Mus musculus GS15	619	90.741
8130	AL079349	Arabidopsis thaliana putative protein	289	30.962
8131	AB007859	Homo sapiens KIAA0399	5161	100.000
8132	Y17464	Fugu rubripes LSFR2 protein	308	84.615
8133	X96698	Homo sapiens D1075-like	1934	100.000
8134	AF078845	Homo sapiens 16.7Kd protein	1030	100.000
8135	Z99259	Schizosaccharomyces pombe hypothetical protein	148	35.000
8136	AF039698	Homo sapiens antigen NY-CO-33	4372	98.403
8137	AF116865	Mus musculus hedgehog-interacting protein	4208	93.858
8138	AL050371	Homo sapiens hypothetical protein	2726	87.447
8139	M20729	Chlamydomonas reinhardtii calmodulin	245	39.316
8140	AF129812	Homo sapiens candidate tumor suppressor protein NOC2	2202	100.000
8141	AL109665	Homo sapiens SLP-1	2575	99.744
8142	AF085355	Homo sapiens N-terminal acetyltransferase complex ardl subunit	1188	100.000
8143	Y09858	Homo sapiens unknown protein	1576	99.569
8144	AF133123	Homo sapiens transcription factor IIIC102	5780	100.000
8145	D50918	Homo sapiens The KIAA0128 gene is related to cdc10.	2751	100.000
8146	Y17849	Homo sapiens ganglioside-induced differentiation associated protein 1	2328	98.603
8147	Z93241	Homo sapiens dJ222E13.3.2 (PUTATIVE partial isoform 2)	2761	100.000
8148	AB028990	Homo sapiens KIAA1067 protein	4419	99.855
8149	X89984	Homo sapiens BCL7A	1515	100.000
8150	AB018337	Homo sapiens KIAA0794 protein	3263	99.796
8151	AB018285	Homo sapiens KIAA0742 protein	8392	100.000
8152	U53588	Homo sapiens HCG V	885	100.000
8153	AF070657	Homo sapiens glutathione S-transferase subunit 13 homolog	1522	100.000
8154	AE001014	Archaeoglobus fulgidus transcription initiation factor IIB	182	24.000
8155	D13634	Homo sapiens KIAA0009	292	29.268
8156	X62155	Homo sapiens Myf4 protein	1529	100.000
8157	X16576	Homo sapiens KUP protein	2892	99.540
8158	X07948	Homo sapiens TP1 (AA 1-55)	367	100.000
8159	AF155107	Homo sapiens NY-REN-37 antigen	1300	99.425
8160	AF059198	Homo sapiens protein kinase/endoribonulcease	6522	99.693
8161	AL031320	Homo sapiens dJ20N2.1 (novel protein similar to yeast and bacterial cytosine deaminase)	1070	99.367
8162	Z69637	Caenorhabditis elegans predicted using Genefinder; Similarity to E.coli hypothetical protein YCAC (SW:YCAC_ECOLI); cDNA EST yk555d12.3 comes from this gene	313	37.949
8163	AB023167	Homo sapiens KIAA0950 protein	2290	100.000
8164	AJ222967	Homo sapiens cystinosin	2445	100.000
8165	Y15062	Homo sapiens GalT4 protein	2275	100.000
8166	AJ012376	Homo sapiens ATP-binding cassette transporter-1 (ABC-1)	14623	99.955
8167	L13977	Homo sapiens prolylcarboxypeptidase	1249	43.653
8168	X52987	Homo sapiens rap2b gene product (AA 1-183)	1185	99.454
8169	AC003002	Homo sapiens R29515 1	960	100.000
8170	AF156271	Homo sapiens RING finger protein terf	3273	100.000

8171	L77967	Ovis aries small proline-rich protein with paired repeat	103	32.609
8172	AC006085	Arabidopsis thaliana Putative acyl-CoA:1-acylglycerol-3-phosphate acyltransferase	835	38.369
8173	AC004382	Homo sapiens Unknown gene product	2119	100.000
8174	AF129332	Homo sapiens MUM2	977	100.000
8175	U82267	Oryctolagus cuniculus sarcosine oxidase	2655	99.487
8176	U37026	Rattus norvegicus sodium channel beta 2 subunit	198	30.769
8177	AF050145	Homo sapiens iduronate-2-sulfatase	153	25.899
8178	AF132000	Homo sapiens TADA1 protein	1446	100.000
8179	AF131852	Homo sapiens Unknown	911	100.000
8180	Y15057	Homo sapiens STK9 protein	6901	99.903
8181	X82207	Homo sapiens beta-centracetin	2486	100.000
8182	AF033107	Grus americana B-G-like protein	317	32.642
8183	AF107885	Homo sapiens unknown	303	100.000
8184	AF112444	Lupinus luteus L-asparaginase	653	41.121
8185	AF151848	Homo sapiens CGI-90 protein	433	33.624
8186	AJ012295	Rhizobium etli apaG protein	261	40.476
8187	X94769	Rattus rattus choline dehydrogenase	2727	88.435
8188	AL049638	Arabidopsis thaliana putative protein	219	27.982
8189	Z82244	Homo sapiens bK286B10.2 (Heme Oxygenase 1 (HO-1, EC 1.14.99.3))	1882	100.000
8190	AC004955	Homo sapiens supported by EST AA160484 (NID:gl735912) and Genscan	1529	99.574
8191	AJ007590	Homo sapiens XRP2 protein	2394	100.000
8192	X99642	Mus musculus HP1-BP74 protein	1653	92.958
8193	AJ010973	Homo sapiens DEDD protein	326	36.612
8194	U40952	Caenorhabditis elegans C03B1.10 gene product	230	65.854
8195	X52011	Homo sapiens muscle determination factor	1633	100.000
8196	AF003130	Caenorhabditis elegans No definition line found	894	41.114
8197	AC004382	Homo sapiens Unknown gene product	1303	68.132
8198	Y10571	Homo sapiens dinG	2206	100.000
8199	AB002372	Homo sapiens KIAA0374	1117	43.750
8200	AL109630	Drosophila melanogaster BACR7A4.h	737	32.083
8201	X65293	Homo sapiens protein kinase C epsilon	5079	100.000
8202	AB018268	Homo sapiens KIAA0725 protein	3852	100.000
8203	U58761	Caenorhabditis elegans C01F1.6 gene product	617	34.746
8204	U23139	Caenorhabditis elegans similar to NIFS protein (nitrogen fixation)	348	41.317
8205	X99920	Homo sapiens S100 calcium-binding protein A13 (S100A13)	614	100.000
8206	AJ006276	Homo sapiens transient receptor potential protein	6153	100.000
8207	Y07707	Homo sapiens ITBA4	170	50.000
8208	AL117442	Homo sapiens hypothetical protein	1723	100.000
8209	AF040964	Homo sapiens unknown protein IT1	3774	99.008
8210	Z14014	Nicotiana tabacum Pistil extensin like protein, partial CDS only	170	52.459
8211	AB020713	Homo sapiens KIAA0906 protein	5926	99.567
8212	M89797	Mus musculus Wnt-4	2425	98.860
8213	AF125044	Homo sapiens ubiquitin-conjugating enzyme HBUCE1	1036	100.000
8214	AJ245417	Homo sapiens G5b protein	1026	100.000
8215	AF102548	Mus musculus AT1 receptor-associated protein	804	77.019
8216	AF165429	Arabidopsis thaliana protein phosphatase 2A 62 kDa B'' regulatory subunit	430	26.562
8217	AL022238	Homo sapiens dJ1042K10.3 (novel protein)	1665	99.588

8218	Z54271	Caenorhabditis elegans F21D5.6	220	25.000
8219	AJ238236	Rattus norvegicus ribosome associated membrane protein RAMP4	283	79.032
8220	AJ243503	Mus musculus m46 protein	660	82.906
8221	U43384	Mus musculus gp91phox	3675	93.146
8222	AF076531	Homo sapiens minK-related peptide 2; MiRP2	683	100.000
8223	U41278	Caenorhabditis elegans F33G12.3 gene product	421	27.407
8224	X58769	Homo sapiens V alpha gene segment	362	83.582
8225	AL050159	Homo sapiens hypothetical protein	1691	100.000
8226	AC003096	Arabidopsis thaliana putative protein phosphatase 2C	370	40.606
8227	AF132174	Drosophila melanogaster unknown	1119	52.308
8228	AL035306	Homo sapiens hypothetical protein	1690	100.000
8229	AF049069	Pinus radiata No definition line found	511	57.031
8230	AF039687	Homo sapiens antigen NY-CO-1	2343	100.000
8231	X76105	Homo sapiens DAP-1	724	100.000
8232	AF039716	Caenorhabditis elegans similar to ATP synthase B chain	628	55.357
8233	AJ243320	Canis familiaris hypothetical protein	294	32.278
8234	Y00757	Homo sapiens polypeptide 7B2 precursor	1461	99.057
8235	AB011106	Homo sapiens KIAA0534 protein	4833	100.000
8236	Y11711	Homo sapiens collagen type XIV	195	100.000
8237	AJ006470	Homo sapiens cartilage-associated protein (CASP)	2723	100.000
8238	AB017112	Mus musculus mCAC	508	33.227
8239	X82240	Homo sapiens T cell leukemia/lymphoma 1	800	100.000
8240	AJ130941	Homo sapiens claudin-9 protein	1442	100.000
8241	Z73906	Caenorhabditis elegans Similarity to B.subtilis YQJC protein (TR:G1303954); cDNA EST EMBL:T01187 comes from this gene	607	70.229
8242	AF094761	Mus musculus Rfxank	506	72.642
8243	X57985	Homo sapiens histone H2B	495	93.023
8244	AP000062	Aeropyrum pernix 152aa long hypothetical protein	183	30.857
8245	AF023130	Homo sapiens Ras-GRF2	8176	99.919
8246	AC002505	Arabidopsis thaliana unknown protein	803	59.239
8247	AB018352	Homo sapiens KIAA0809 protein	8351	100.000
8248	AJ223355	Rattus norvegicus mitochondrial dicarboxylate carrier	1726	89.474
8249	D29833	Homo sapiens proline rich peptide P-B	107	35.294
8250	AF072933	Homo sapiens Mad2-like protein	1398	100.000
8251	L27645	Danio rerio growth-associated protein	185	37.500
8252	AF098481	Gallus gallus cadherin	648	69.231
8253	AF141377	Mus musculus Ly-6/neurotoxin homolog	682	81.034
8254	AB011157	Homo sapiens KIAA0585 protein	2778	100.000
8255	U23169	Caenorhabditis elegans No definition line found	1107	51.724
8256	AF151901	Homo sapiens CGI-143 protein	897	99.270
8257	M93698	Oncorhynchus mykiss ependymin	249	24.752
8258	AB014562	Homo sapiens KIAA0662 protein	4279	99.398
8259	X68879	Homo sapiens EMX1	1050	99.346
8260	M92441	Bos taurus ornithine decarboxylase	1528	54.126
8261	M76424	Homo sapiens carbonic anhydrase VII	1742	99.603
8262	U88958	Rattus norvegicus neuritin	244	32.075
8263	Z99116	Bacillus subtilis similar to hypothetical proteins	223	35.537
8264	M98539	Homo sapiens prostaglandin D2 synthase	1272	100.000
8265	AF005050	Homo sapiens aspartyl aminopeptidase	3160	100.000
8266	U31332	Homo sapiens DP prostanoid receptor	1901	100.000

8267	AC002130	Arabidopsis thaliana F1N21.1	275	27.807
8268	X67098	Homo sapiens ORF1	238	97.297
8269	D83198	Homo sapiens homology to a plant EST:RICS2753A	1535	99.559
8270	U32828	Haemophilus influenzae Rd ribosomal protein S6 modification protein (rimK)	381	31.308
8271	X82027	Sus scrofa BM88 antigen	654	72.000
8272	AF154831	Rattus norvegicus PV-1	1816	60.860
8273	X54673	Homo sapiens GABA transporter	4063	99.332
8274	AF026528	Rattus norvegicus stathmin-like-protein RB3	1215	99.471
8275	U35244	Rattus norvegicus vacuolar protein sorting homolog r-vps33a	3790	96.817
8276	AJ001189	Homo sapiens oligophrenin 1	5367	100.000
8277	D28595	Escherichia coli unknown	260	24.671
8278	D78255	Mus musculus PAP-1	638	82.203
8279	AB026054	Homo sapiens brain finger protein	4323	100.000
8280	AL031394	Arabidopsis thaliana putative protein	376	60.204
8281	AF001308	Arabidopsis thaliana predicted glycosyl transferase	327	28.986
8282	X91257	Homo sapiens seryl-tRNA synthetase	3400	99.805
8283	AF125443	Caenorhabditis elegans contains similarity to S. pombe phosphatidyl synthase (GB:Z28295)	820	40.922
8284	AB002359	Homo sapiens KIAA0361	9350	99.927
8285	AF077202	Homo sapiens HSPC016	412	100.000
8286	AF132960	Homo sapiens CGI-26 protein	2162	99.107
8287	AF133422	Homo sapiens HMP19 protein	1139	100.000
8288	AB012309	Cyprinus carpio allograft inflammatory factor-1	740	78.169
8289	AC002505	Arabidopsis thaliana hypothetical protein	403	32.472
8290	AL049730	Arabidopsis thaliana putative protein	680	42.616
8291	Z78418	Unknown cDNA EST EMBL:D71020 comes from this gene; cDNA EST EMBL:D73593 comes from this gene; cDNA	814	47.791
8292	AL050273	Homo sapiens hypothetical protein	603	98.947
8293	A52140	unidentified HUMAN NDR	1000	98.675
8294	AF151907	Homo sapiens CGI-149 protein	1385	100.000
8295	AL031775	Homo sapiens dJ30M3.3 (novel protein similar to C. elegans Y63D3A.4)	2425	100.000
8296	AF065382	Yersinia pestis adenylate kinase	267	30.556
8297	Z30425	Homo sapiens orphan nuclear hormone receptor	2322	98.584
8298	Z33905	Homo sapiens 43kD Acetylcholine receptor-associated protein (Rapsyn)	2775	100.000
8299	Y16787	Homo sapiens keratin, type I	2786	100.000
8300	M21103	Ovis aries BIIIB4 high-sulfur keratin	648	82.653
8301	X76488	Homo sapiens sterol esterase	1680	60.957
8302	X14420	Homo sapiens prepro-alpha-1 type 3 collagen	1099 5	99.864
8303	Z85986	Homo sapiens dJ108K11.3 (similar to yeast suppressor protein SRP40)	1461	78.161
8304	U18762	Rattus norvegicus retinol dehydrogenase type I	1148	52.581
8305	AF072467	Homo sapiens unknown	3245	100.000
8306	X63745	Homo sapiens KDEL receptor	1374	100.000
8307	AF117646	Homo sapiens long CBL-3 protein	3331	99.789
8308	AL117557	Homo sapiens hypothetical protein	1780	100.000
8309	AL117495	Homo sapiens hypothetical protein	2932	99.753
8310	AC002301	Homo sapiens Homolog of rat Zymogen granule membrane protein	1120	100.000
8311	U60024	Ovis aries BIIIA3	69	50.000
8312	AF188285	Homo sapiens bone morphogenetic protein 9	2890	100.000
8313	AF112982	Homo sapiens group IID secretory phospholipase	1113	100.000

		A2		
8314	Z97208	Schizosaccharomyces pombe hypothetical protein	683	47.009
8315	X16560	Homo sapiens precursor polypeptide (AA -16 to 47)	420	100.000
8316	X04085	Homo sapiens catalase	3642	100.000
8317	M13444	Mus musculus alpha-tubulin isotype M-alpha-6	3047	100.000
8318	AF042276	Pseudomonas putida o251 homolog	752	45.818
8319	U88958	Rattus norvegicus neuritin	931	98.592
8320	L40806	Neurospora crassa Restriction enzyme inactivation of met-10 complementation in this region. Sequence similarity to S. cerevisiae chromosome VIII cosmid 9205, accession no. U10556 CDS residues 22627-24126	821	33.623
8321	AC004131	Homo sapiens Unknown gene product	919	40.759
8322	U19596	Mus musculus p18 protein	207	35.115
8323	U21549	Mus musculus Ac39/physophilin	1623	68.208
8324	X79888	Homo sapiens AU-binding protein/Enoyl-CoA hydratase	2181	100.000
8325	AF036694	Caenorhabditis elegans No definition line found	237	25.478
8326	D45370	Homo sapiens unknown product specific to adipose tissue	462	100.000
8327	M88469	Rattus norvegicus f-spondin	5595	96.654
8328	X87237	Homo sapiens a-glucosidase I	5754	99.283
8329	AC007231	Arabidopsis thaliana putative disease resistance protein	632	34.393
8330	AF161181	Mus musculus P55T protein	3458	97.593
8331	AF117814	Mus musculus odd-skipped related 1 protein	1218	66.667
8332	D13126	Rattus norvegicus neural visinin-like Ca2+-binding protein type 3	264	32.593
8333	D14849	Mus musculus meiosis-specific nuclear structural protein 1	2498	77.393
8334	AB020711	Homo sapiens KIAA0904 protein	6583	99.900
8335	AL008729	Homo sapiens predicted protein dJ257A7.2	878	98.519
8336	Z72510	Unknown similarity to yeast UTR3 protein (Swiss Prot accession number P21374); cDNA EST EMBL:D72822	800	49.446
8337	Z97992	Schizosaccharomyces pombe hypothetical protein	223	47.761
8338	Y14768	Homo sapiens I Kappa B-like protein	2673	100.000
8339	AF069737	Xenopus laevis notchless	2762	82.452
8340	Z98944	Schizosaccharomyces pombe hypothetical protein	345	31.884
8341	AF144235	Homo sapiens hypothetical protein SBBI42	1103	100.000
8342	Y00796	Homo sapiens LFA-1 alpha subunit precursor (AA -25 to 1145)	7821	99.829
8343	L10910	Homo sapiens splicing factor	1526	59.773
8344	AB014589	Homo sapiens KIAA0689 protein	3783	100.000
8345	Y12653	Homo sapiens diubiquitin	1068	99.394
8346	AL034397	Homo sapiens dA159A1.1 (novel protein)	2669	100.000
8347	Z70750	Caenorhabditis elegans similar to vanadate resistance protein transmembranous domains; cDNA EST yk664g4.3 comes from this gene	1213	58.457
8348	AC002045	Homo sapiens Unknown protein product CIT987SK-A-589H1 1 splice form 1	2224	98.784
8349	AL034488	Caenorhabditis elegans predicted using Genefinder; cDNA EST yk433c6.3 comes from this gene; cDNA EST EMBL:D72601 comes from this gene; cDNA EST EMBL:D75524 comes from this gene; cDNA EST yk433c6.5 comes from this gene	734	54.502
8350	X02585	Xenopus laevis unidentified open reading frame	169	65.000

		1 (166 aa)		
8351	AF155100	Homo sapiens zinc finger protein NY-REN-21 antigen	2895	100.000
8352	AL035297	Homo sapiens hypothetical protein	1067	100.000
8353	J05071	Bos taurus GTP-binding regulatory protein gamma-6 subunit	454	100.000
8354	AF171060	Mus musculus RING finger protein A07	2565	81.917
8355	X63417	Homo sapiens IRLB	649	51.042
8356	AF093680	Homo sapiens transcription factor IIB	1281	100.000
8357	AF087825	Mus musculus claudin-7	211	47.500
8358	AL021960	Arabidopsis thaliana adrenodoxin-like protein	414	51.282
8359	Y18007	Homo sapiens seven transmembrane domain protein	1412	93.304
8360	X75315	Homo sapiens SEB4B	1500	97.826
8361	AL050170	Homo sapiens hypothetical protein	935	100.000
8362	AF176784	Rattus norvegicus eps8 binding protein	897	39.446
8363	AL080071	Homo sapiens hypothetical protein	847	100.000
8364	X84003	Homo sapiens PolII transcription factor TFIID	816	100.000
8365	X64037	Homo sapiens RNA polymerase II associated protein RAP74	3388	100.000
8366	AF098798	Homo sapiens unknown	2301	99.713
8367	X04085	Homo sapiens catalase	3642	100.000
8368	AF132172	Drosophila melanogaster unknown	1053	40.705
8369	X54449	Oryza sativa Glycine-rich protein	203	46.512
8370	AL080201	Homo sapiens hypothetical protein	1079	99.383
8371	X69089	Homo sapiens 165kD protein	9811	99.795
8372	Z99130	Homo sapiens dJ83L6.1 (DNA binding Zinc finger protein ZFPA (ZXDA))	5467	98.257
8373	X92972	Homo sapiens protein phosphatase 6	2131	100.000
8374	M87307	Xenopus laevis fast skeletal muscle beta-tropomyosin	1514	87.324
8375	AF045564	Rattus norvegicus development-related protein	2200	93.182
8376	AL050297	Homo sapiens hypothetical protein	2957	98.886
8377	M11900	Mus musculus 15-kDa proline-rich salivary protein	216	36.508
8378	L22342	Homo sapiens phosphoprotein	233	97.059
8379	AF172854	Homo sapiens cardiotrophin-like cytokine CLC	1579	100.000
8380	AJ224878	Homo sapiens T-cell receptor interacting molecule (TRIM) protein	1242	100.000
8381	M84379	Homo sapiens lymphocyte antigen	2482	99.178
8382	Z99297	Homo sapiens dJ262D12.2 ((mitochondrial/chloroplast 30S ribosomal protein S14)-LIKE protein)	870	100.000
8383	AF007130	Homo sapiens unknown	1694	100.000
8384	D00099	Homo sapiens Na,K-ATPase alpha-subunit	6746	100.000
8385	X05908	Homo sapiens lipocortin (AA 1-346)	2207	100.000
8386	M27288	Homo sapiens oncostatin M	1682	99.603
8387	X97571	Mus musculus HCMV-interacting protein	563	96.809
8388	X04391	Homo sapiens put. precursor polypeptide	3463	99.798
8389	AF161080	Homo sapiens inhibitory receptor PIRIIalpha	2014	99.340
8390	AF054176	Homo sapiens angiotensin/vasopressin receptor AII/AVP	3449	99.416
8391	L08239	Homo sapiens located at OATL1	2701	100.000
8392	AF087679	Sus scrofa tropomyosin 4	1515	100.000
8393	AF121863	Homo sapiens sorting nexin 14	2498	100.000
8394	AL050101	Homo sapiens hypothetical protein	3605	100.000
8395	AL109846	Schizosaccharomyces pombe hypothetical protein	305	33.146
8396	Y18101	Mus musculus macrophage actin-associated-tyrosine-phosphorylated protein	1995	87.425

8397	Z81490	Unknown similar to WD domain, G-beta repeats (2 domains); cDNA EST EMBL:T00482 comes from this gene	2184	62.427
8398	U25353	Gallus gallus homeodomain protein AKR	650	51.915
8399	AF081353	Homo sapiens GTP-binding protein	1461	100.000
8400	Y15286	Homo sapiens vacuolar proton-ATPase subunit M9.2	594	100.000
8401	AL031431	Homo sapiens dJ462023.1 (novel protein)	2140	99.676
8402	D87973	Mus musculus Impact	1796	82.500
8403	AF156884	Homo sapiens RIP-like kinase	3567	99.807
8404	X91257	Homo sapiens seryl-tRNA synthetase	3400	99.805
8405	Z82062	Caenorhabditis elegans cDNA EST yk415c12.5 comes from this gene; cDNA EST yk526h3.3 comes from this gene; cDNA EST yk599b1.3 comes from this gene	545	42.941
8406	Z93386	Unknown Similarity to Yeast hypothetical 52.9 KD protein (SW:P43616); cDNA EST EMBL:M89432 comes fr	1807	58.030
8407	AJ010059	Homo sapiens SIT protein	1335	100.000
8408	AF068302	Homo sapiens choline/ethanolaminephosphotransferase	2854	100.000
8409	U89432	Mus musculus unknown	656	69.799
8410	AL050107	Homo sapiens hypothetical protein	1732	100.000
8411	D86964	Homo sapiens similar to a human major CRK-binding protein DOCK180.	12180	100.000
8412	AL080091	Homo sapiens hypothetical protein	1755	99.225
8413	X89399	Homo sapiens Ins P4-binding protein	5564	99.520
8414	AL031775	Homo sapiens dJ30M3.1 (novel protein similar to (predicted) plant, worm, yeast and archaea bacterial proteins)	712	100.000
8415	AL021453	Homo sapiens dJ821D11.3 (PUTATIVE protein)	1256	100.000
8416	AF015811	Mus musculus putative lysophosphatidic acid acyltransferase	1900	96.564
8417	AF127761	Homo sapiens ribonucleoprotein RBM8	1194	100.000
8418	A42942	unidentified unnamed protein product	219	34.314
8419	X71975	Drosophila melanogaster put. homologue to S.cerevisiae GAR1 gene	861	59.740
8420	AF095927	Rattus norvegicus protein phosphatase 2C	2475	95.153
8421	U10414	Caenorhabditis elegans Contains similarity to Pfam domain: PF00005 (ABC_tran), Score=245.2, E-value=3e-70, N=2	2268	50.142
8422	AL117472	Homo sapiens hypothetical protein	5442	99.877
8423	U61953	Caenorhabditis elegans No definition line found	1001	47.904
8424	AL031774	Homo sapiens dek (putative oncogene)	2390	100.000
8425	D42039	Homo sapiens The hal009 gene product is novel.	1563	100.000
8426	Z99104	Bacillus subtilis similar to hypothetical proteins	461	32.955
8427	AJ001612	Homo sapiens L-3-phosphoserine-phosphatase homologue	507	100.000
8428	X15525	Homo sapiens acid phosphatase	2891	99.764
8429	AF025468	Caenorhabditis elegans No definition line found	815	34.286
8430	AC004874	Homo sapiens similar to N-acetylgalactosaminyltransferase; similar to Q07537 (PID:g1171989)	1211	98.895
8431	AF120102	Homo sapiens calsenilin	998	69.388
8432	Y13148	Rattus norvegicus PAG608	1746	88.194
8433	X17320	Mus musculus put. brain specific antigen (AA	161	46.296

		1-62)		
8434	AF146738	Rattus norvegicus testis specific protein	992	83.523
8435	U83194	Homo sapiens TRAF4-associated factor 2	2612	100.000
8436	D10376	Bos taurus mitochondrial adenylate kinase isozyme 3	1405	92.511
8437	Y09305	Homo sapiens protein kinase	1640	100.000
8438	X94917	Drosophila melanogaster head-elevated expression in 0.9 kb	170	23.711
8439	AB017644	Homo sapiens ubiquitin-conjugating enzyme E2	1169	85.990
8440	AL050173	Homo sapiens hypothetical protein	1177	97.312
8441	AC006538	Homo sapiens BC41195 1	1062	78.894
8442	AJ001019	Homo sapiens ring finger protein	584	40.756
8443	AF156857	Homo sapiens actin-binding protein	3965	100.000
8444	AF133124	Homo sapiens transcription factor IIIC63	3466	98.479
8445	AJ005578	Homo sapiens 6-phosphofructo-2-kinase	3353	100.000
8446	U58884	Mus musculus SH3P7	2448	85.747
8447	AF151890	Homo sapiens CGI-132 protein	929	100.000
8448	U53148	Caenorhabditis elegans similar to protein kinase C inhibitors	271	35.461
8449	M77836	Homo sapiens pyrroline-5-carboxylate reductase	1739	84.591
8450	AB004316	Bos taurus mitochondrial methionyl-tRNA transformylase	2227	87.838
8451	Z35094	Homo sapiens SURF-2	1734	97.266
8452	AL050275	Homo sapiens hypothetical protein	3077	99.520
8453	D13308	Sus scrofa glycine N-methyltransferase	1887	93.493
8454	Z69944	Schizosaccharomyces pombe putative endonuclease	350	43.165
8455	AJ223183	Homo sapiens DORA protein	1568	99.585
8456	AC004890	Homo sapiens similar to HUB1; similar to BAA24380 (PID:g2789430)	5085	99.720
8457	U09280	Homo sapiens type XIX collagen	79	34.091
8458	AJ224442	Homo sapiens methyltransferase	1169	99.415
8459	Y14153	Homo sapiens beta-transducin repeats containing protein	3874	99.649
8460	AC006014	Homo sapiens similar to RFP transforming protein; similar to P14373 (PID:g132517)	1142	98.780
8461	AC005099	Homo sapiens match to AI222572 (NID:g3804775)	602	100.000
8462	V00507	Homo sapiens coding sequence of DHFR (1 is 1st base in codon) (561 is 3rd base in codon)	1129	92.896
8463	AJ005259	Homo sapiens homologous to Bombyx mori multiprotein bridging factor (EMBL: AB001078)	948	100.000
8464	AL022605	Arabidopsis thaliana putative gamma-glutamyltransferase	845	35.217
8465	AL079281	Homo sapiens hypothetical protein, similar to (U77968) neuronal PAS domain protein 1	1258	98.000
8466	M19351	Mus musculus immunoglobulin heavy chain binding protein	188	34.021
8467	AF012652	Trypanosoma cruzi Tcrab27	233	68.000
8468	AC005594	Homo sapiens R33729 1, partial CDS	973	96.711
8469	Z81051	Caenorhabditis elegans predicted using Genefinder; similar to Zinc finger, C3HC4 type (RING finger); cDNA EST yk443h5.3 comes from this gene; cDNA EST yk443h5.5 comes from this gene; cDNA EST yk633h1.3 comes from this gene	257	29.348
8470	D86984	Homo sapiens similar to yeast adenylate cyclase (S56776)	1801	56.263
8471	AF109674	Rattus norvegicus late gestation lung protein 1	1104	77.841
8472	AE000909	Methanobacterium thermoautotrophicum	464	30.032

		serine/threonine protein kinase related protein		
8473	M80783	Homo sapiens B12 protein	672	68.750
8474	AL117511	Homo sapiens hypothetical protein	654	100.000
8475	AB027137	Homo sapiens RAB-26	959	73.404
8476	X53744	Canis familiaris 68kDa subunit of signal recognition particle	3855	97.049
8477	M20456	Homo sapiens aldehyde dehydrogenase	3452	99.807
8478	AL021728	Unknown /prediction=(method:""genefinder"", version:""084""); /match=(desc:""GH08386.5prime GH Dr	743	27.794
8479	AF058954	Homo sapiens GTP-specific succinyl-CoA synthetase beta subunit	2569	99.505
8480	AL080168	Homo sapiens hypothetical protein	2238	100.000
8481	AJ001309	Homo sapiens DnaJ protein	2834	100.000
8482	Z81069	Caenorhabditis elegans cDNA EST yk552d5.3 comes from this gene	216	39.394
8483	AJ006068	Homo sapiens dTDP-D-glucose 4,6-dehydratase	2379	100.000
8484	AB021537	Homo sapiens immunoglobulin heavy chain variable region (IgM)	663	79.675
8485	AJ132270	Homo sapiens p24B protein	1435	100.000
8486	Z81592	Caenorhabditis elegans predicted using Genefinder	546	55.782
8487	AL117204	Caenorhabditis elegans predicted using Genefinder	605	37.276
8488	AC004449	Homo sapiens R33683 3	715	100.000
8489	AF061817	Rattus norvegicus DNA-binding protein PREB	2520	89.688
8490	AF117615	Homo sapiens heme-binding protein	1276	99.471
8491	S94541	Homo sapiens clone 4-3	359	97.959
8492	Z71181	Caenorhabditis elegans similar to hydrolase	784	36.391
8493	AB014589	Homo sapiens KIAA0689 protein	3783	100.000
8494	Z81105	Caenorhabditis elegans similar to alpha/beta hydrolase fold; cDNA EST EMBL:T02320 comes from this gene	588	37.681
8495	AJ242832	Homo sapiens calpain	4743	99.713
8496	S94421	Homo sapiens T cell receptor eta-exon	641	100.000
8497	AL050214	Homo sapiens hypothetical protein	1218	99.448
8498	AF135016	Homo sapiens protein phosphatase 2A 48 kDa regulatory subunit	2845	100.000
8499	AF117272	Octopus dofleini O-crystallin	319	31.176
8500	AF089106	Homo sapiens unknown	919	100.000
8501	U04968	Cricetulus griseus nucleotide excision repair protein	4897	97.628
8502	AL050131	Homo sapiens hypothetical protein	1517	100.000
8503	AL031266	Caenorhabditis elegans VM106R.1	198	33.333
8504	AF019661	Mus musculus zeta proteasome chain; PSMA5	1538	100.000
8505	AB020316	Homo sapiens dermatan/chondroitin sulfate 2-sulfotransferase	2845	100.000
8506	A40202	unidentified unnamed protein product	619	100.000
8507	AL035593	Homo sapiens dJ310J6.1 (novel protein)	1040	98.675
8508	Z82244	Homo sapiens bK286B10.1	288	61.176
8509	AL022318	Homo sapiens bK150C2.3 (PUTATIVE novel protein similar to APOBEC1 (Apolipoprotein B mRNA editing protein) and Phorbolin)	1457	100.000
8510	AF132794	Homo sapiens anaphase promoting complex subunit 10	1258	99.459
8511	X63657	Homo sapiens FVT1 gene is disrupted in a t(2;18) chromosomal translocation involving Ig kappa gene in a follicular lymphoma	2116	100.000

8512	Y14780	Homo sapiens lymphocyte function associated antigen-3, TM-linked precursor	1685	100.000
8513	Z81038	Caenorhabditis elegans predicted using Genefinder; cDNA EST yk488a2.5 comes from this gene	359	34.562
8514	AF070594	Homo sapiens HNK-1 sulfotransferase	546	32.013
8515	AF060883	Mus musculus endomucin	639	48.302
8516	U05784	Rattus norvegicus light chain 3 subunit of microtubule-associated proteins 1A and 1B	669	82.500
8517	X56351	Homo sapiens delta- aminolevulinate synthase (housekeeping)	4284	100.000
8518	AF151889	Homo sapiens CGI-131 protein	1018	100.000
8519	D50617	Saccharomyces cerevisiae YFL046W	225	24.865
8520	AF171055	Homo sapiens thioredoxin reductase TR2	3716	99.288
8521	AF123880	multiple sclerosis associated retrovirus element unknown protein U5/2	323	82.456
8522	AL110151	Homo sapiens hypothetical protein	589	38.261
8523	AC007193	Homo sapiens PPP5 HUMAN	3358	99.800
8524	Y17282	Homo sapiens cytokeratin type II	3498	99.819
8525	X66901	Mus musculus En-2/lacZ fusion protein	117	49.123
8526	U41012	Caenorhabditis elegans C06A6.3 gene product	212	24.242
8527	X76029	Homo sapiens neuromedin U	1183	99.425
8528	X94991	Homo sapiens zyxin	4124	99.825
8529	U30521	Homo sapiens P311 HUM	326	92.157
8530	AB020967	Rattus sp. kinase	1708	72.905
8531	D87457	Homo sapiens KIAA0281	1336	79.098
8532	Z97207	Mus musculus B-IND1 protein	1212	94.737
8533	AJ001019	Homo sapiens ring finger protein	1675	99.593
8534	D42073	Homo sapiens reticulocalbin	1198	58.446
8535	X80035	Oryctolagus cuniculus cysteine rich hair keratin associated protein	805	65.385
8536	X73462	Ovis aries hair keratin cysteine rich protein	796	70.229
8537	Z99129	Homo sapiens dJ425C14.2 (Placental protein DIFF33 LIKE)	1733	54.955
8538	X99140	Homo sapiens type II intermediate filament of hair keratin	3354	100.000
8539	X90763	Homo sapiens HHa5 hair keratin type I intermediate filament	2824	99.529
8540	AL034488	Unknown predicted using Genefinder; cDNA EST yk490c1.5 comes from this gene; cDNA EST yk256e4.5 c	250	24.746
8541	L35604	Drosophila melanogaster ethanolamine kinase	921	40.921
8542	AF003388	Caenorhabditis elegans No definition line found	461	38.342
8543	M32334	Homo sapiens intercellular adhesion molecule 2 (ICAM-2)	1835	100.000
8544	AF064448	Mus musculus sex-determination protein homolog Fem1b	4097	98.884
8545	AF067855	Homo sapiens geminin	1328	100.000
8546	M34513	Homo sapiens omega protein	1408	96.714
8547	AF093419	Homo sapiens multi PDZ domain protein MUPP1	13170	100.000
8548	AC004876	Homo sapiens similar to predicted proteins AAB54240 (PID:g2088822) and S67138 (PID:g2132925)	995	55.144
8549	M69238	Homo sapiens Arnt	5341	100.000
8550	X12433	Homo sapiens put. ORF	2902	100.000
8551	D63880	Homo sapiens KIAA0159 gene product is related to yeast protein L8479.14.	9109	99.929

8552	M30185	Homo sapiens cholesteryl ester transfer protein precursor	3186	100.000
8553	AF102265	Homo sapiens N-acetylglucosamine-phosphate mutase	3544	100.000
8554	M19507	Homo sapiens myeloperoxidase	5048	99.732
8555	Y14318	Homo sapiens peroxisomal ABC-transporter	4000	100.000
8556	X85750	Homo sapiens expression associated with monocyte to macrophage differentiation	1662	98.739
8557	AF161703	Homo sapiens gammaS-crystallin	1237	99.419
8558	X01060	Homo sapiens put. transferrin receptor (aa 1-760)	5000	99.605
8559	U72678	Mus musculus EF-9	1014	92.857
8560	X81372	Homo sapiens biphenyl hydrolase-related protein	1890	99.635
8561	D28483	Homo sapiens SCR3	2702	99.263
8562	U66372	Bos taurus ribosomal protein S29	420	100.000
8563	D50063	Homo sapiens proteasome subunit p40 / Mov34 protein	2063	98.765
8564	J05594	Homo sapiens NAD+-dependent 15-hydroxyprostaglandin dehydrogenase	1725	99.624
8565	AC006033	Homo sapiens similar to MLN 64; similar to I38027 (PID:g2135214)	1517	100.000
8566	AF002697	Homo sapiens ElB 19K/Bcl-2-binding protein Nip3	1285	100.000
8567	X79536	Homo sapiens hnRNPcore protein A1	2211	100.000
8568	AF012652	Trypanosoma cruzi Tcrab27	233	68.000
8569	D86438	Homo sapiens Ibal (ionized calcium binding adapter molecule 1)	955	100.000
8570	X77639	Sus scrofa cellular retinol binding protein II	582	60.150
8571	X83441	Homo sapiens DNA ligase IV	5616	99.408
8572	AB023811	Homo sapiens TU3A	450	54.135
8573	U21855	Mus musculus mCAF1 protein	1914	99.649
8574	AF078857	Homo sapiens PTD002	1269	100.000
8575	Z73420	Homo sapiens match: protein P25325; match: DNA X59434	2072	100.000
8576	AC006929	Arabidopsis thaliana unknown protein	283	34.286
8577	AB018288	Homo sapiens KIAA0745 protein	5881	99.020
8578	AF065441	Mus musculus FGF binding protein 1	228	24.402
8579	AL031824	Schizosaccharomyces pombe conserved hypothetical protein	193	30.078
8580	AJ008112	Homo sapiens C17orf1 protein	2986	100.000
8581	AF003386	Caenorhabditis elegans No definition line found	1557	44.186
8582	D80004	Homo sapiens KIAA0182	7708	99.825
8583	AC003027	Arabidopsis thaliana lcl prt_seq No definition line found	481	40.329
8584	AB029028	Homo sapiens KIAA1105 protein	596	29.783
8585	X57802	Homo sapiens immunoglobulin lambda light chain	1513	97.835
8586	AB028996	Homo sapiens KIAA1073 protein	325	23.600
8587	AF111941	Dictyostelium discoideum development protein DG1148	304	56.962
8588	AB001993	Homo sapiens glia maturation factor homologous protein	941	100.000
8589	AF124249	Homo sapiens SH2-containing protein Nspl	3932	99.826
8590	D25304	Homo sapiens this sequence overlaps D13631, it covers 954..4359 of this sequence.	5066	100.000
8591	AF132209	Homo sapiens prepro-major basic protein homolog	1608	100.000
8592	AJ002078	Homo sapiens syntaxin 6	1622	100.000

8593	U29488	Caenorhabditis elegans No definition line found	849	61.333
8594	M13444	Mus musculus alpha-tubulin isotype M-alpha-6	3047	100.000
8595	Z81137	Unknown Similarity to Yeast YIP1 protein (SW:P53039); cDNA EST EMBL:T01608 comes from this gene; cD	255	27.803
8596	AF151903	Homo sapiens CGI-145 protein	2479	99.482
8597	AL050405	Homo sapiens hypothetical protein	2129	99.688
8598	D87463	Homo sapiens KIAA0273	1782	76.364
8599	AF073518	Homo sapiens small EDRK-rich factor 1, short isoform	385	100.000
8600	AL117468	Homo sapiens hypothetical protein	1121	100.000
8601	L05425	Homo sapiens nucleolar GTPase	4793	100.000
8602	AL117600	Homo sapiens hypothetical protein	3670	99.458
8603	Y13936	Homo sapiens protein phosphatase 2C gamma	3621	100.000
8604	AJ249735	Homo sapiens claudin-6	1469	100.000
8605	AF175409	Homo sapiens unknown	2750	99.757
8606	AJ224677	Homo sapiens scrapie responsive protein 1	707	100.000
8607	X99656	Homo sapiens SH3-containing Grb-2-like 1	2426	100.000
8608	D90703	Escherichia coli Hypothetical 13.8 kd protein in cspE-lipA intergenic region.	819	98.413
8609	X57560	Escherichia coli pspE protein	682	100.000
8610	L37368	Homo sapiens RNA-binding protein	2011	100.000
8611	X77584	Homo sapiens ATL-derived factor/thioredoxin	705	100.000
8612	X78990	Mus musculus testin	1191	48.916
8613	AF151849	Homo sapiens CGI-91 protein	2001	100.000
8614	D87447	Homo sapiens KIAA0258	2628	100.000
8615	X77858	Human papillomavirus type 59 ORF putative E5	99	31.746
8616	M97935	Homo sapiens transcription factor ISGF-3	5010	100.000
8617	AB002294	Homo sapiens KIAA0296	1298 8	99.891
8618	AF151878	Homo sapiens CGI-120 protein	644	75.397
8619	AL035064	Schizosaccharomyces pombe queuine trna-ribosyltransferase	1535	56.743
8620	AF006088	Homo sapiens p16-Arc	685	68.831
8621	AF077042	Homo sapiens 30S ribosomal protein S7 homolog	1625	100.000
8622	U29195	Homo sapiens neuronal pentraxin II	3473	98.868
8623	AB018322	Homo sapiens KIAA0779 protein	2019	100.000
8624	X67209	Mus musculus npdcf-1	1511	75.585
8625	AF180819	Homo sapiens LAK1 protein	3537	99.806
8626	AF136382	Homo sapiens JNK MAP kinase scaffold protein JIP2	5730	100.000
8627	AJ248283	Pyrococcus abyssi methylmalonyl-CoA mutase, subunit alpha, C-terminus (mcmA2)	126	30.488
8628	Z75134	Canis familiaris rod transducin	2322	100.000
8629	AF007160	Homo sapiens unknown	915	100.000
8630	AL050007	Homo sapiens hypothetical protein	506	98.795
8631	AC009465	Arabidopsis thaliana unknown protein, contains TNFR/NGFR cysteine-rich region	375	38.519
8632	Z73277	Saccharomyces cerevisiae ORF YLR105c	256	29.240
8633	AF156102	Homo sapiens ELL complex EAP30 subunit	1678	99.612
8634	Z95114	Homo sapiens bK212A2.1 (TNF-inducible protein CG12-1)	1198	59.627
8635	U88964	Homo sapiens HEM45	249	90.909
8636	AL050143	Homo sapiens hypothetical protein	759	100.000
8637	U40953	Caenorhabditis elegans No definition line found	659	28.989
8638	AB018566	Homo sapiens Proline synthetase associated	1828	100.000
8639	D83767	Homo sapiens Rep-8	1750	100.000

8640	U36340	Mus musculus BKLF	1473	93.103
8641	U96769	Homo sapiens chondroadherin	2393	99.721
8642	U66411	Drosophila melanogaster putative type III alcohol dehydrogenase	1307	49.403
8643	X55989	Homo sapiens eosinophil cationic-related protein	1167	99.371
8644	AF177533	Homo sapiens tight junction protein ZO-2 isoform A	7916	99.328
8645	AF007151	Homo sapiens unknown	1908	100.000
8646	AB018307	Homo sapiens KIAA0764 protein	2802	100.000
8647	Z32684	Homo sapiens membrane transport protein	2964	100.000
8648	U09367	Homo sapiens zinc finger protein ZNF136	3902	99.815
8649	M89928	Oryctolagus cuniculus binding protein	736	100.000
8650	D90701	Escherichia coli Hypothetical protein 2.	464	100.000
8651	U19577	Escherichia coli galactonate dehydratase	508	94.805
8652	AP000064	Aeropyrum pernix 120aa long hypothetical protein	123	36.620
8653	D90699	Escherichia coli ORF ID:o163#3	696	98.182
8654	AL117660	Homo sapiens hypothetical protein	609	77.273
8655	AL117195	Caenorhabditis elegans predicted using Genefinder; preliminary prediction	544	33.898
8656	U79298	Homo sapiens unknown	2465	100.000
8657	Z78542	Caenorhabditis elegans similar to Mitochondrial carrier proteins; cDNA EST EMBL:T01651 comes from this gene	697	47.191
8658	M23236	Mus musculus proline-rich protein	523	39.592
8659	AJ010063	Homo sapiens telethonin	1132	100.000
8660	AL049711	Arabidopsis thaliana hypothetical protein	283	33.032
8661	AF143235	Homo sapiens apoptosis related protein APR-1	1247	100.000
8662	J04173	Homo sapiens phosphoglycerate mutase 2	1721	100.000
8663	X71440	Homo sapiens peroxisomal acyl-CoA oxidase	4364	99.394
8664	AF151878	Homo sapiens CGI-120 protein	1113	100.000
8665	AF044774	Homo sapiens breakpoint cluster region protein 2	3415	99.412
8666	Z68227	Caenorhabditis elegans cDNA EST EMBL:D72691 comes from this gene; cDNA EST yk566e9.3 comes from this gene	167	37.349
8667	AF034801	Homo sapiens liprin-alpha4	3274	98.031
8668	AL008729	Homo sapiens predicted protein dJ257A7.1	836	100.000
8669	Y17849	Homo sapiens ganglioside-induced differentiation associated protein 1	2328	98.603
8670	AF084458	Homo sapiens sec61 homolog	3083	100.000
8671	Y12642	Homo sapiens E48 antigen	787	100.000
8672	Z73102	Caenorhabditis elegans predicted using Genefinder; Similarity to Bacillus subtilis DNAJ protein (SW:DNAJ_BACSU); cDNA EST EMBL:D74098 comes from this gene; cDNA EST EMBL:C12520 comes from this gene; cDNA EST EMBL:D71409 comes from this gene	608	38.800
8673	X78933	Homo sapiens zinc finger protein	630	49.296
8674	M17614	Homo sapiens transferrin	212	47.561
8675	X61497	Mus musculus I54 protein	198	56.098
8676	M12140	Homo sapiens envelope protein	588	31.894
8677	X57432	Rattus rattus ribosomal protein S2	694	58.547
8678	X03145	Homo sapiens pot. ORF III	235	51.923
8679	S67513	Borna disease virus BDV, WT-1, Halle B1/91, horse brain, field isolate, Peptide, 370 aa p40	763	42.138
8680	U01849	Trypanosoma brucei ORF2	173	39.130

8681	D90176	Mus musculus ORF of NFI-B6	1593	93.841
8682	AF153062	Canis familiaris type I collagen pre-pro-alpha(I) chain	230	27.186
8683	AB030237	Canis familiaris D4 dopamine receptor	173	41.000
8684	AF134825	Homo sapiens small nuclear ribonucleoprotein B	528	85.294
8685	X51394	Xenopus laevis APEG precursor protein	310	30.918
8686	AF052432	Homo sapiens katanin p80 subunit	194	31.282
8687	M13100	Rattus norvegicus unknown protein	237	41.667
8688	X03145	Homo sapiens pot. ORF II	304	56.190
8689	AB012223	Canis familiaris ORF2	226	47.500
8690	Z34802	Caenorhabditis elegans cDNA EST yk372h11.3 comes from this gene; cDNA EST yk372h11.5 comes from this gene	126	32.692
8691	S80905	Homo sapiens Con1=salivary concanavalin-A binding protein {exon 3}	168	28.239
8692	U04267	Gossypium barbadense proline-rich cell wall protein	267	34.731
8693	U67988	Homo sapiens guanylate kinase associated protein	570	78.571
8694	U73522	Homo sapiens AMSH	266	60.526
8695	AF123344	Homo sapiens Kruppel-like zinc finger transcription factor	283	56.250
8696	U71363	Homo sapiens zinc finger protein zfp6	430	51.678
8697	AF123880	multiple sclerosis associated retrovirus element gag polyprotein	277	42.982
8698	X15804	Homo sapiens alpha-actinin (AA 1-892)	266	72.131
8699	U83303	Homo sapiens line-1 reverse transcriptase	168	46.835
8700	AF015454	Xenopus laevis ER1	829	66.667
8701	X90875	Mus musculus FXR1	521	64.844
8702	Z12172	Homo sapiens putative homeotic protein	429	76.190
8703	U72514	Homo sapiens C2f	363	57.944
8704	X56158	Homo sapiens immunoglobulin from VH4 family	534	76.923
8705	U01317	Homo sapiens G-gamma globin	217	50.602
8706	AL021396	Homo sapiens dJ971N18.2	861	85.161
8707	U49974	Homo sapiens mariner transposase	360	70.526
8708	U47924	Homo sapiens C8	490	68.966
8709	AC006233	Arabidopsis thaliana hypothetical protein	190	52.542
8710	M15386	Homo sapiens gamma-globin	466	71.698
8711	D88385	Sus scrofa A-Raf-1	396	72.414
8712	U95044	Homo sapiens zinc finger protein	221	43.382
8713	AF064553	Mus musculus NSD1 protein	223	57.895
8714	M15386	Homo sapiens gamma-globin	525	76.786
8715	M96982	Homo sapiens U2 snRNP auxiliary factor small subunit	398	39.608
8716	U49082	Homo sapiens transporter protein	950	62.172
8717	AF000422	Homo sapiens TTF-I interacting peptide 5	1802	84.091
8718	U01317	Homo sapiens G-gamma globin	215	50.000
8719	AF053356	Homo sapiens insulin receptor substrate like protein	317	39.631
8720	U58337	Mus musculus ligatin	330	63.636
8721	S61973	Rattus sp. NMDA receptor glutamate-binding subunit	2375	74.723
8722	M29622	Mus musculus open reading frame 2	120	50.000
8723	X74330	Homo sapiens DNA primase (subunit p48)	307	57.292
8724	M16550	Baboon endogenous virus pol polyprotein	660	34.990
8725	Z77655	Caenorhabditis elegans Weak similarity to Human calcium-dependent proetase (SW:CANS HUMAN)	194	48.718
8726	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	2155	65.565

8727	AL033125	Unknown 1-evidence=predicted by content; 1-method=genefinder;084; 1-evidence_end; 2-evidence=pred	1625	45.960
8728	U49974	Homo sapiens mariner transposase	889	66.045
8729	X55777	Homo sapiens put. ORF	240	59.211
8730	AF151887	Homo sapiens CGI-129 protein	177	75.000
8731	X03145	Homo sapiens pot. ORF II	275	47.934
8732	X75042	Homo sapiens c-rel	2333	90.453
8733	AF003535	Homo sapiens ORF2-like protein	419	63.478
8734	AF000194	Caenorhabditis elegans No definition line found	356	25.364
8735	U93565	Homo sapiens putative p150	195	37.864
8736	AF003535	Homo sapiens ORF2-like protein	440	58.088
8737	X51394	Xenopus laevis APEG precursor protein	203	27.875
8738	U93565	Homo sapiens putative p150	472	52.381
8739	AC006585	Arabidopsis thaliana putative extragenic suppressor protein	1243	43.545
8740	AB002306	Homo sapiens KIAA0308	900	40.748
8741	AL031177	Homo sapiens dJ889M15.3 (novel protein)	1109	90.099
8742	L11366	Herpesvirus papio EBNA2 gene product	263	25.731
8743	AB012139	Rattus norvegicus procollagen C-proteinase 3	267	38.312
8744	M27878	Homo sapiens DNA binding protein	407	31.359
8745	X07704	Homo sapiens Po protein	304	45.912
8746	X53581	Rattus norvegicus ORF4	444	39.648
8747	AF006740	Homo sapiens No definition line found	276	41.935
8748	AC005825	Arabidopsis thaliana putative glucokinase	227	51.389
8749	L22031	Glycine max hydroxyproline-rich glycoprotein	155	41.379
8750	Z14019	Nicotiana tabacum pistil extensin like protein	197	32.540
8751	AJ243460	Leishmania major proteophosphoglycan	245	34.123
8752	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	219	53.731
8753	Z81074	Unknown Similarity to Soybean 3-methylcrotonyl-CoA carboxylase (TR:Q42777); cDNA EST EMBL:M75819 co	1366	64.223
8754	AF107727	Rattus norvegicus sertolin	370	61.818
8755	AF071081	Mycobacterium tuberculosis proline-rich mucin homolog	323	29.964
8756	U97553	murine herpesvirus 68 unknown	181	28.381
8757	M26111	Anser anser beta-actin	527	82.979
8758	AC004136	Arabidopsis thaliana hypothetical protein	272	25.468
8759	AF015539	Mytilus edulis precollagen P	420	29.711
8760	AF129269	Homo sapiens DNA methyltransferase 3 beta 5	320	61.628
8761	AB012223	Canis familiaris ORF2	208	45.763
8762	AB015054	Rhizomucor pusillus Alg2	162	43.750
8763	D31763	Homo sapiens ha0946 protein is Kruppel-related.	758	38.259
8764	AF153127	Gallus gallus SAPK interacting protein	2179	72.782
8765	AF139185	Rattus norvegicus myomegalin	861	65.066
8766	U09116	Homo sapiens ORF2, encodes a reverse transcriptase homolog	346	44.056
8767	M74002	Homo sapiens arginine-rich nuclear protein	692	79.605
8768	AF055904	Myxococcus xanthus unknown	294	33.438
8769	AL110249	Homo sapiens hypothetical protein	183	36.449
8770	L22760	Rattus norvegicus DNA binding protein	176	26.984
8771	AB032904	Hylobates syndactylus dopamine receptor D4	163	37.008
8772	U97553	murine herpesvirus 68 unknown	346	30.680
8773	X67863	Mus musculus T2	236	40.690
8774	J00123	Homo sapiens preproenkephalin (44	30.000
8775	U49974	Homo sapiens mariner transposase	307	67.742
8776	AB029014	Homo sapiens KIAA1091 protein	1362	61.096

8777	X61046	Hydra sp. mini-collagen	167	47.541
8778	D88587	Homo sapiens Hakata antigen	337	40.816
8779	M12140	Homo sapiens envelope protein	554	32.624
8780	X55777	Homo sapiens put. ORF	245	67.742
8781	M80341	Homo sapiens ORF2 contains a reverse transcriptase domain.; ORF2	320	52.809
8782	Z96047	Caenorhabditis elegans DY3.6	251	28.846
8783	AF132552	Drosophila melanogaster BcDNA.GM01838	1292	79.498
8784	X65120	Homo sapiens alpha1(X)collagen	312	29.081
8785	AL033545	Arabidopsis thaliana extensin-like protein	198	32.812
8786	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	421	54.839
8787	AC002542	Homo sapiens similar to C. elegans F11A10.5; 80% similarity to Z68297 (PID:g1130619)	1547	62.439
8788	M64793	Rattus norvegicus salivary proline-rich protein	242	30.493
8789	U04267	Gossypium barbadense proline-rich cell wall protein	210	36.601
8790	X86019	Homo sapiens SH3-domain interacting protein	246	29.936
8791	Z14016	Nicotiana tabacum pistil extensin like protein, partial CDS	179	31.579
8792	U57368	Mus musculus EGF repeat transmembrane protein	437	56.522
8793	M11902	Mus musculus proline-rich salivary protein	221	35.789
8794	AF153685	Homo sapiens truncated calcium binding protein	89	28.421
8795	AF123880	multiple sclerosis associated retrovirus element gag polyprotein	184	37.838
8796	X15332	Homo sapiens alpha-1 (III) collagen	294	28.367
8797	AF124663	Mus musculus UbcM4 interacting protein 28; UIP28	515	43.777
8798	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	428	61.146
8799	U97553	murine herpesvirus 68 unknown	390	29.197
8800	S62941	Homo sapiens Ps 2=basic proline-rich protein(PRB1L precursor protein=basic proline-rich proteins (Ps, PmF, PmS, and Pe) precursor) (C-terminal)	353	32.915
8801	X61395	Lycopersicon esculentum proline rich protein	185	26.016
8802	AJ243460	Leishmania major proteophosphoglycan	245	30.189
8803	X61045	Hydra sp. mini-collagen	193	35.043
8804	X57010	Homo sapiens collagen II alpha 1 chain	158	37.419
8805	U05342	Mus musculus zinc finger protein	644	50.505
8806	U04267	Gossypium barbadense proline-rich cell wall protein	223	35.115
8807	X55777	Homo sapiens put. ORF	348	72.368
8808	AF055904	Myxococcus xanthus unknown	163	30.682
8809	X60432	Zea mays prolin rich protein	195	32.680
8810	AF055904	Myxococcus xanthus unknown	238	30.712
8811	U25281	Rattus norvegicus SH3 domain binding protein	207	32.035
8812	U35730	Mus musculus jerky	260	33.846
8813	U88895	Homo sapiens ORF2	302	71.212
8814	AF123880	multiple sclerosis associated retrovirus element gag polyprotein	256	44.000
8815	AF019969	Mus musculus Su(var)3-9 homolog	420	49.315
8816	U21310	Caenorhabditis elegans No definition line found	164	32.824
8817	L29169	Chironomus tentans giant secretory protein (sp-Ic)	189	40.800
8818	AL008583	Homo sapiens dJ327J16.3 (novel CHROMobox family protein)	532	59.236
8819	U07973	Gallus gallus alpha-1 collagen type III	346	28.075
8820	D29833	Homo sapiens proline rich peptide P-B	393	73.750

8821	AL034421	Homo sapiens dJ1137F22.2 (core-binding factor, runt domain, alpha subunit 2; translocated to, 2 (MTGR1a, MTG8/ETO/CDR family protein) (isoform 2))	147	32.075
8822	Y10529	Homo sapiens olfactory receptor	1145	75.200
8823	AF055904	Myxococcus xanthus unknown	200	30.545
8824	U03714	Mus musculus alpha 1(XVIII) collagen	165	39.815
8825	AF017777	Drosophila melanogaster waclaw	1208	52.099
8826	X07882	Homo sapiens Po protein	182	34.746
8827	X15311	Woolly monkey sarcoma virus reverse transcriptase (476 AA)	491	47.236
8828	AJ222580	Mus musculus B99 protein	184	27.987
8829	M69297	Homo sapiens ORF 2	109	33.735
8830	Y18620	Arabidopsis thaliana DsPTP1 protein	251	43.925
8831	AF010170	synthetic construct Pol	659	26.002
8832	U68412	Arenicola marina fibrillar collagen	198	34.711
8833	X61047	Hydra sp. mini-collagen	123	33.684
8834	AB032907	Hylobates lar dopamine receptor D4	175	35.811
8835	D64052	Nicotiana tabacum cytochrome P450 like TBP	183	36.691
8836	AF020261	Santalum album proline rich protein	242	26.027
8837	AL078606	Arabidopsis thaliana putative protein	359	45.113
8838	M15103	Plasmodium cynomolgi circumsporozoite antigen	194	26.210
8839	AJ004832	Homo sapiens neuropathy target esterase	1218	58.583
8840	AC006283	Arabidopsis thaliana hypothetical protein	170	29.605
8841	U32305	Caenorhabditis elegans No definition line found	378	40.271
8842	AL031603	Schizosaccharomyces pombe conserved hypothetical protein.	1253	51.969
8843	Z97184	Homo sapiens BING1	484	41.494
8844	AF055904	Myxococcus xanthus unknown	264	31.985
8845	Z81074	Caenorhabditis elegans predicted using Genefinder; Similarity to Yeast ORF YOR070C (TR:Q08484); cDNA EST EMBL:T01610 comes from this gene; cDNA EST EMBL:D36648 comes from this gene; cDNA EST yk303b2.5 comes from this gene	419	35.821
8846	U25281	Rattus norvegicus SH3 domain binding protein	233	31.837
8847	X55686	Lycopersicon esculentum extensin (class II)	56	31.818
8848	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	206	76.744
8849	X64173	Zea diploperennis hydroxyproline-rich glycoprotein	181	33.117
8850	AC006233	Arabidopsis thaliana hypothetical protein	188	42.342
8851	U62528	Equus caballus type II collagen	326	29.173
8852	Z14015	Nicotiana tabacum pistil extensin like protein	253	29.469
8853	AF121861	Homo sapiens sorting nexin 11	68	30.000
8854	U93569	Homo sapiens putative p150	296	42.373
8855	L24521	Homo sapiens transformation-related protein	249	56.667
8856	AF086608	Rattus norvegicus neurestin beta	297	30.802
8857	AF000381	Homo sapiens non-functional folate binding protein	806	89.506
8858	S70011	Rattus sp. tricarboxylate carrier	298	53.846
8859	AF016671	Caenorhabditis elegans Similar to collagen	274	45.361
8860	U49974	Homo sapiens mariner transposase	368	68.041
8861	M22333	Homo sapiens unknown protein	585	49.393
8862	M92913	Nephila clavipes dragline silk fibroin	326	28.439
8863	AL031282	Homo sapiens dJ283E3.6.1 (PUTATIVE novel protein similar to many (archae)bacterial, worm and yeast hypothetical proteins)	1589	55.644
8864	AF017777	Drosophila melanogaster tweety	475	25.971

8865	AB011126	Homo sapiens KIAA0554 protein	426	58.678
8866	Y14690	Homo sapiens procollagen alpha 2(V)	238	30.038
8867	AB028997	Homo sapiens KIAA1074 protein	504	50.575
8868	AC005498	Homo sapiens R31665 2	366	27.083
8869	AF159131	Mus musculus nucleolar RNA helicase II/Gu	174	32.335
8870	D80009	Homo sapiens KIAA0187	827	87.333
8871	AC006085	Arabidopsis thaliana Hypothetical protein	294	28.516
8872	U53155	Unknown Similar to cuticular collagen; coded for by C. elegans cDNA yk58e6.3; coded for by C. elega	109	34.127
8873	X15081	Crithidia fasciculata MURF2 protein (AA 1-348)	196	32.639
8874	Z70780	Caenorhabditis elegans cDNA EST yk465d10.3 comes from this gene; cDNA EST yk465d10.5 comes from this gene; cDNA EST yk481d9.5 comes from this gene	323	27.626
8875	AC003979	Arabidopsis thaliana ESTs gb Z34075, gb Z34835 and gb AA404888 come from this gene.	424	40.299
8876	AL022537	Arabidopsis thaliana putative protein	172	33.121
8877	AL078637	Arabidopsis thaliana serine/threonine kinase-like protein	220	30.270
8878	AB029022	Homo sapiens KIAA1099 protein	1687	79.878
8879	AL022393	Homo sapiens p373c6.2	538	50.521
8880	U76557	Rattus norvegicus O-GlcNAc transferase, p110 subunit	1063	64.537
8881	X75919	Pseudomonas fluorescens TRANSFERRED ENTRY: 3.4.19.3	53	28.916
8882	X99699	Homo sapiens XIAP associated factor-1 (ZAP-1)	689	64.324
8883	AF026802	Homo sapiens alpha-3 type IX collagen	120	36.735
8884	AF041330	Bodo saltans NADH dehydrogenase subunit 5	144	32.824
8885	AF003535	Homo sapiens ORF2-like protein	231	44.882
8886	Y12713	Mus musculus Gag polyprotein	228	37.324
8887	X55777	Homo sapiens put. ORF	309	54.444
8888	U44091	Rattus norvegicus atrophin-1 related protein	224	36.683
8889	AJ012582	Homo sapiens hyperpolarization-activated cation channel HCN2	113	32.653
8890	AF091234	Mus musculus putative transcription factor	1363	67.341
8891	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	1439	77.891
8892	AL009266	Homo sapiens hypothetical protein	803	67.568
8893	U97553	murine herpesvirus 68 unknown	287	30.478
8894	AJ004801	Bovine herpesvirus type 1.1 glycoprotein C	169	34.746
8895	AJ132828	Spermatozopsis similis p210 protein	177	27.039
8896	AF167320	Mus musculus zinc finger protein ZFP113	567	34.409
8897	Z72495	Carassius auratus ZP2	413	30.882
8898	D29642	Homo sapiens KIAA0053	398	49.612
8899	U45958	Nicotiana glauca pistil extensin-like protein	210	31.780
8900	M64793	Rattus norvegicus salivary proline-rich protein	273	34.701
8901	S71333	Platyrrhini alpha 1,3 galactosyltransferase, alpha 1,3GT	622	65.584
8902	M13101	Rattus norvegicus unknown protein	348	50.794
8903	M16976	Glycine max N-75	274	36.364
8904	X52235	Homo sapiens ORFII	308	43.275
8905	X52851	Homo sapiens peptidylprolyl isomerase	766	74.332
8906	L24521	Homo sapiens transformation-related protein	347	60.638
8907	AF007269	Arabidopsis thaliana No definition line found	525	28.500
8908	M24732	Homo sapiens lamin-like protein	174	40.708
8909	AF055904	Myxococcus xanthus unknown	256	32.090
8910	AB028070	Homo sapiens activator of S phase Kinase	181	36.522
8911	L28802	Mus musculus zinc finger protein	206	31.343

8912	AJ243460	Leishmania major proteophosphoglycan	197	28.854
8913	AF009829	Mycobacterium bovis unknown	183	37.234
8914	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	475	38.871
8915	X68684	Homo sapiens ZNF11B	258	39.370
8916	M64791	Rattus norvegicus salivary proline-rich protein	150	34.127
8917	M17463	Human papillomavirus type 5 ORF E4 from bp 3285 to 4022; putative	112	30.058
8918	AL021086	Unknown /prediction=(method:""genefinder"", version:""084""); /prediction=(method:""genscan"", ve	1994	52.736
8919	AL035289	Homo sapiens hypothetical protein	2986	69.146
8920	AC006232	Arabidopsis thaliana putative proline-rich protein PRP2 precursor	393	28.254
8921	U37263	Homo sapiens KRAB zinc finger protein; Method: conceptual translation supplied by author	481	40.529
8922	X02585	Xenopus laevis unidentified open reading frame 2	249	48.315
8923	U75308	Homo sapiens TBP-associated factor	232	33.209
8924	AF073770	Homo sapiens carnitine octanoyltransferase	488	98.750
8925	M15182	Homo sapiens beta-glucuronidase precursor (EC 3.2.1.31)	743	55.000
8926	AB023206	Homo sapiens KIAA0989 protein	327	50.000
8927	L10910	Homo sapiens splicing factor	947	59.170
8928	U88895	Homo sapiens ORF derived from D1 leader region and integrase coding region	189	42.222
8929	M13100	Rattus norvegicus unknown protein	214	47.312
8930	AL031581	Unknown /prediction=(method:""genscan"", version:""1.0"", score:""198.31""); /prediction=(method:	236	25.786
8931	AF123880	multiple sclerosis associated retrovirus element gag polyprotein	319	43.802
8932	M19419	Mus musculus proline-rich salivary protein	217	43.411
8933	A31038	Nicotiana glauca PRP3	157	44.304
8934	AF020261	Santalum album proline rich protein	201	42.718
8935	U58755	Caenorhabditis elegans C34D4.11 gene product	175	43.564
8936	Z47357	Caenorhabditis elegans cDNA EST EMBL:T00822 comes from this gene; cDNA EST EMBL:T00823 comes from this gene	327	43.382
8937	X83543	Homo sapiens APXL	547	39.852
8938	U54638	Mus musculus rhotekin	1149	89.401
8939	AF047690	Homo sapiens ATP-binding cassette protein M-ABC1	225	54.054
8940	AF075575	Homo sapiens dysferlin	341	37.563
8941	A31038	Nicotiana glauca PRP3	155	33.708
8942	AL033534	Schizosaccharomyces pombe serine-rich protein	226	27.891
8943	U07974	Gallus gallus unknown	210	33.816
8944	L22030	Glycine max hydroxyproline-rich glycoprotein	167	31.613
8945	AC004997	Homo sapiens match to ESTs Z43979 (NID:g573097), R19699 (NID:g774333), T59198 (NID:g661035), and AA027979 (NID:g1494038)	721	60.476
8946	AF080070	Mus musculus zinc finger protein 54	236	43.220
8947	M92913	Nephila clavipes dragline silk fibroin	276	30.651
8948	D90899	Synechocystis sp. hypothetical protein	392	31.818
8949	AF071081	Mycobacterium tuberculosis proline-rich mucin homolog	314	26.752
8950	U09413	Homo sapiens zinc finger protein ZNF135	1055	49.547
8951	AF019236	Dictyostelium discoideum TipD	211	26.250

8952	AF121009	Mycobacterium tuberculosis H37Rv hypothetical protein Jv0534	296	35.122
8953	X76203	Drosophila virilis major larval glue protein	180	31.098
8954	U41543	Caenorhabditis elegans No definition line found	262	33.742
8955	Z68747	Homo sapiens imogen 38	697	59.055
8956	AF045646	Caenorhabditis elegans contains similarity to collagens	126	33.775
8957	AF018432	Homo sapiens dUTPase	464	64.615
8958	U97553	murine herpesvirus 68 unknown	214	28.668
8959	L27428	Homo sapiens reverse transcriptase	173	26.437
8960	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	286	75.000
8961	M12099	Mus musculus proline-rich protein	263	33.333
8962	L24521	Homo sapiens transformation-related protein	327	64.045
8963	X13885	Nicotiana tabacum extensin (AA 1-620)	371	25.828
8964	AL050331	Homo sapiens dJ486I3.4 (TSPY-like (testis specific protein, Y-linked like))	1548	94.981
8965	AJ388557	Canis familiaris zinc finger protein	358	45.098
8966	U83303	Homo sapiens line-1 reverse transcriptase	269	43.750
8967	X03145	Homo sapiens pot. ORF II	238	48.421
8968	AB012223	Canis familiaris ORF2	268	53.846
8969	U88154	Homo sapiens proline and glutamic acid rich nuclear protein isoform	731	91.270
8970	AF164612	Homo sapiens Gag protein	272	44.706
8971	AB012223	Canis familiaris ORF2	295	40.426
8972	AL024499	Caenorhabditis elegans cDNA EST EMBL:C10123 comes from this gene	244	34.746
8973	X83413	Human herpesvirus 6 U88	685	36.986
8974	L22343	Homo sapiens nuclear phosphoprotein	2191	86.410
8975	AB012223	Canis familiaris ORF2	361	52.212
8976	M64791	Rattus norvegicus salivary proline-rich protein	253	35.638
8977	Z98204	Hordeum vulgare extensin	209	28.652
8978	AL035423	Homo sapiens dJ20I3.1 (brain mitochondrial carrier protein-1 (BMCP1))	381	51.007
8979	AJ132828	Spermatozopsis similis p210 protein	206	30.047
8980	AF132856	Homo sapiens suppressor of G2 allele of skp1 homolog	209	64.815
8981	U93872	Kaposi's sarcoma-associated herpesvirus ORF 73, contains large complex repeat CR 73	109	31.915
8982	X61294	Rattus norvegicus L1 retroposon, a portion of its ORF2 sequence	276	44.521
8983	AL035461	Homo sapiens dJ967N21.3 (novel protein similar to predicted worm, yeast and plant proteins)	2526	95.455
8984	D29956	Homo sapiens This gene is similar to tre oncogene(X63547).	526	63.690
8985	AJ005282	Homo sapiens NPR-Bi	6054	96.677
8986	Z54141	Saccharomyces cerevisiae unknown	128	31.250
8987	D67066	Bos taurus N-WASP	247	41.221
8988	U01849	Trypanosoma brucei ORF1	178	31.034
8989	AL022537	Arabidopsis thaliana putative protein	193	29.327
8990	AF062389	Rattus norvegicus kidney-specific protein	1344	60.857
8991	AF104411	Mus musculus neuronal-specific septin 3	2395	82.452
8992	Z70208	Caenorhabditis elegans predicted using Genefinder; similar to collagen	246	30.612
8993	M86699	Homo sapiens kinase	644	65.934
8994	Z72807	Saccharomyces cerevisiae ORF YGR023w	171	32.895
8995	AF055904	Myxococcus xanthus unknown	202	29.694
8996	AB012223	Canis familiaris ORF2	199	45.977

8997	AF071172	Homo sapiens HERC2	260	79.245
8998	U60269	Homo sapiens putative envelope protein; orf similar to env of Type A and Type B retroviruses and to class II HERVs	216	43.333
8999	AF087573	Homo sapiens DNA fragmentation factor DFF35	427	68.613
9000	AL031174	Schizosaccharomyces pombe hypothetical protein	215	40.404
9001	AF017777	Drosophila melanogaster tweety	472	30.380
9002	U49973	Homo sapiens ORF1; MER37; putative transposase similar to pogo element	476	41.573
9003	U97553	murine herpesvirus 68 unknown	242	32.783
9004	AF073344	Homo sapiens ubiquitin-specific protease 3	2084	90.909
9005	AB028965	Homo sapiens KIAA1042 protein	979	57.621
9006	M69297	Homo sapiens ORF 3	136	41.096
9007	AL117589	Homo sapiens hypothetical protein	902	59.480
9008	L29435	Gallus gallus beta-5 tubulin	2300	95.845
9009	X78928	Homo sapiens zinc finger protein	551	64.463
9010	L41827	Homo sapiens sensory and motor neuron-derived factor	1404	98.643
9011	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	298	79.688
9012	AL035632	Unknown /prediction=(method:"genefinder", version:"084", score:"113.36"); /prediction=(meth	673	55.435
9013	X94910	Homo sapiens ERp28	468	74.074
9014	X53476	Mus musculus HMG-14 (AA 1-96)	211	79.167
9015	M15386	Homo sapiens gamma-globin	556	71.094
9016	S39127	human, testis, Peptide, 331 aa cathepsin S=cysteine proteinase	157	67.442
9017	AF115384	Homo sapiens LR8	279	82.456
9018	K02212	Homo sapiens alpha-1-antitrypsin	2458	98.223
9019	A12029	Homo sapiens MRP-14	322	51.923
9020	AB028997	Homo sapiens KIAA1074 protein	189	69.811
9021	L13440	Nicotiana tabacum cysteine-rich extensin-like protein-2	202	52.459
9022	M15386	Homo sapiens gamma-globin	898	98.621
9023	U10362	Homo sapiens GP36b glycoprotein	506	53.741
9024	AB011157	Homo sapiens KIAA0585 protein	332	88.525
9025	Z32683	Unknown cDNA EST EMBL:Z14902 comes from this gene; cDNA EST EMBL:M89155 comes from this gene; cDNA	711	28.841
9026	AF000560	Homo sapiens TTF-I interacting peptide 20; TIP20; Transcription Termination Factor I Interacting Peptide 20	224	52.381
9027	AF171099	Xenopus laevis Mi-2 histone deacetylase complex protein 66	648	61.137
9028	AB018341	Homo sapiens KIAA0798 protein	1398	62.281
9029	AF026954	Bos taurus pyruvate dehydrogenase phosphatase regulatory subunit precursor; PDPr	1070	71.374
9030	U93569	Homo sapiens putative p150	256	57.143
9031	AB017614	Mus musculus OASIS protein	276	34.091
9032	L10110	Octopus dofleini alpha tubulin	369	74.667
9033	AL023706	Schizosaccharomyces pombe hypothetical protein	358	34.300
9034	Z70683	Unknown cDNA EST EMBL:T01585 comes from this gene; cDNA EST EMBL:D72333 comes from this gene; cDNA	750	33.613
9035	AB007198	Agkistrodon blomhoffii siniticus phospholipase A2 inhibitor	248	37.143
9036	X80433	Mus musculus tex292	278	80.597
9037	Y09945	Rattus norvegicus putative integral membrane transport protein	173	56.863

9038	X52574	Mus musculus GTP binding protein	2154	84.635
9039	U63840	Rattus norvegicus nucleoporin p54	1202	69.381
9040	AB011169	Homo sapiens KIAA0597 protein	260	43.011
9041	D14336	Mus musculus RNA polymerase I associated factor (PAF53)	697	71.233
9042	AB029008	Homo sapiens KIAA1085 protein	2554	99.482
9043	M37190	Homo sapiens ras inhibitor	708	40.431
9044	AL050262	Homo sapiens hypothetical protein	543	39.922
9045	AF071059	Mus musculus zinc finger RNA binding protein	3718	96.721
9046	X58636	Mus musculus lymphoid enhancer factor 1	1428	94.009
9047	U05681	Homo sapiens homologous to members of the I-kappa B family; protein binds NF-kappa B proteins	329	32.534
9048	AL117557	Homo sapiens hypothetical protein	1432	83.600
9049	AF125455	Caenorhabditis elegans No definition line found	231	29.167
9050	X52063	Escherichia coli orfB	397	42.553
9051	AL031770	Homo sapiens dJ20B11.1 (ortholog of rat RSEC5 (mammalian exocyst complex subunit))	2189	99.432
9052	AF132953	Homo sapiens CGI-19 protein	2422	100.000
9053	U47024	Mus musculus MEM3	1159	92.708
9054	AF007109	Arabidopsis thaliana similar to yeast dcpl	347	34.416
9055	U41534	Caenorhabditis elegans No definition line found	380	31.724
9056	AF120499	Homo sapiens DEM1 protein	764	88.406
9057	X89401	Homo sapiens ribosomal protein L21	350	57.759
9058	Z82271	Unknown Similarity to Mouse kinensin-like protein KIF4 (SW:P33174); cDNA EST EMBL:D27320 comes from	756	42.804
9059	M26312	Oryctolagus cuniculus unknown protein	204	33.571
9060	AF077188	Homo sapiens cullin 4A	425	98.571
9061	AC005546	Homo sapiens R29425 1	2564	93.271
9062	A52744	unidentified unnamed protein product	237	37.624
9063	L27428	Homo sapiens reverse transcriptase	399	72.043
9064	Z70783	Caenorhabditis elegans cDNA EST yk575f9.3 comes from this gene	372	38.150
9065	AL031579	Schizosaccharomyces pombe hypothetical protein	270	25.993
9066	AF027219	Homo sapiens ZNF202 beta	431	52.857
9067	Z85986	Homo sapiens dJ108K11.3 (similar to yeast suppressor protein SRP40)	1223	96.296
9068	U88587	Nicotiana glauca 120 kDa style glycoprotein	303	35.622
9069	D90868	Escherichia coli GLUCOKINASE (EC 2.7.1.2).	923	98.639
9070	AL035461	Homo sapiens dJ967N21.3 (novel protein similar to predicted worm, yeast and plant proteins)	3064	99.786
9071	AL096749	Homo sapiens truncated by frame shift; corresponding STS: EMBL:G37487	274	26.433
9072	U73379	Homo sapiens cyclin-selective ubiquitin carrier protein	787	79.762
9073	AL078630	Mus musculus 573K1.15 (mm17M1-6 (novel 7 transmembrane receptor (rhodopsin family) (olfactory receptor LIKE) protein))	669	86.667
9074	Z81505	Unknown similar to Zinc finger, C3HC4 type (RING finger); cDNA EST EMBL:D28025 comes from this gene	486	34.672
9075	AF132956	Homo sapiens CGI-22 protein	2064	98.433
9076	AB025793	Bos taurus casein kinase I-alpha	149	71.429
9077	L29457	Mus musculus dynamin	423	60.484
9078	S60885	Mus sp. LYAR=cell growth regulating nucleolar protein	1188	74.532

9079	L05147	Homo sapiens phosphatase tyrosine/serine	212	45.783
9080	AF126736	Homo sapiens ubiquitin processing protease	2997	98.468
9081	AL080125	Homo sapiens hypothetical protein	442	75.510
9082	U64856	Caenorhabditis elegans weak similarity to TPR domains	583	44.845
9083	AL022117	Schizosaccharomyces pombe hypothetical protein	289	38.621
9084	AL110241	Homo sapiens hypothetical protein	1458	97.510
9085	AJ005698	Homo sapiens poly(A)-specific ribonuclease	712	82.639
9086	AF117897	Bos taurus rab11 binding protein	1302	82.609
9087	AB033168	Mus musculus nuclear protein ZAP	1451	93.627
9088	M58378	Homo sapiens synapsin I	1816	97.872
9089	AF051098	Mus musculus seven transmembrane domain orphan receptor	1745	92.000
9090	AJ131693	Homo sapiens AKAP450 protein	1238	97.500
9091	AF183910	Rattus norvegicus frizzled receptor 4	915	96.947
9092	AF067608	Caenorhabditis elegans No definition line found	57	42.857
9093	X76717	Homo sapiens MT-11 protein	200	75.610
9094	M64488	Rattus norvegicus synaptotagmin II	306	73.973
9095	AF000422	Homo sapiens TTF-I interacting peptide 5	439	41.714
9096	AF125569	Homo sapiens tumor suppressing STF cDNA 6	187	47.674
9097	A18812	Brassica napus extensin	324	32.143
9098	U73682	Homo sapiens meningioma-expressed antigen 11	196	29.703
9099	M11759	Lycopersicon esculentum cell wall hydroxyproline-rich glycoprotein	199	36.000
9100	AF180920	Homo sapiens cyclin ania-6a	1370	90.361
9101	AP000063	Aeropyrum pernix 175aa long hypothetical protein	158	35.780
9102	D88315	Mus musculus tetracycline transporter-like protein	553	71.901
9103	AF051400	Gallus gallus fibulin-1, isoform C precursor	241	47.500
9104	X92521	Homo sapiens MMP-19 (matrix metalloproteinase)	600	41.356
9105	AF106702	Mus musculus testis-enriched protein tyrosine phosphatase	457	32.646
9106	Y17113	Xenopus laevis ribosomal protein L24	1009	68.037
9107	AL031447	Homo sapiens dJ126A5.1.2 (novel DnaJ domain protein) (isoform 2)	427	92.754
9108	M34024	Homo sapiens immunoglobulin heavy chain	734	82.270
9109	X59727	Homo sapiens 63kDa protein kinase	2621	98.765
9110	D90741	Escherichia coli ORF2	378	52.055
9111	AF091624	Drosophila melanogaster Pelle associated protein Pellino	840	55.285
9112	AF125158	Homo sapiens zinc finger DNA binding protein 99	4417	100.000
9113	X07311	Drosophila melanogaster heat shock protein	197	40.000
9114	Z83826	Homo sapiens dJ473B4.1 (novel protein similar to predicted human and worm genes)	494	72.131
9115	X03145	Homo sapiens pot. ORF III	274	59.000
9116	AL050008	Homo sapiens hypothetical protein	1449	88.281
9117	Z49909	Caenorhabditis elegans weak similarity with a B. Flavum translocation protein (Swiss Prot accession number P38376); cDNA EST yk220e10.5 comes from this gene; cDNA EST yk549e12.3 comes from this gene; cDNA EST yk618d6.3 comes from this gene	584	38.839
9118	X63546	Homo sapiens oncogene	2573	80.467
9119	AJ223782	Mus musculus CDC10	1675	91.958
9120	X85991	Mus musculus semaphorin B	1074	78.641
9121	M55264	Saimiriine herpesvirus 2 gene products	125	42.857

9122	AB028997	Homo sapiens KIAA1074 protein	602	56.970
9123	X76104	Homo sapiens DAP-kinase	5061	100.000
9124	X58826	Drosophila melanogaster RNA polymerase III second-largest subunit	517	69.912
9125	D89821	Mus musculus RhoM	766	53.202
9126	AF092091	Rattus norvegicus cp431	1700	82.647
9127	D87908	Mus musculus nuclear protein np95	401	47.134
9128	U38979	Homo sapiens hPMSR3	1141	94.444
9129	X51760	Homo sapiens zinc finger protein (583 AA)	373	59.292
9130	Y12713	Mus musculus Pro-Pol-dUTPase polyprotein	338	69.620
9131	AF098796	Mus musculus SLM-1	1278	96.618
9132	Z81030	Caenorhabditis elegans similar to citrate lyase beta chain; cDNA EST yk302b4.5 comes from this gene	255	45.000
9133	AF098863	Mus musculus Ets-protein Spi-C	459	46.199
9134	U95097	Xenopus laevis mitotic phosphoprotein 43	611	71.523
9135	AF000413	Plasmodium berghei merozoite surface protein-1	153	33.621
9136	Z82268	Unknown cDNA EST yk338gl0.5 comes from this gene; cDNA EST EMBL:D27934 comes from this gene; cDNA E	801	38.074
9137	U62940	Rattus norvegicus mt-GrpE#1 precursor	258	60.204
9138	M13100	Rattus norvegicus unknown protein	255	50.685
9139	X67155	Homo sapiens mitotic kinase-like protein-1	4436	98.844
9140	U83303	Homo sapiens line-1 reverse transcriptase	356	58.416
9141	U79260	Homo sapiens unknown	335	69.048
9142	AF022821	Mus musculus putative potassium channel DP4	336	52.885
9143	AF055077	Homo sapiens zinc finger protein 42	932	86.061
9144	U16790	Mus musculus putative collagen alpha-2 (XI) chain	212	32.716
9145	AF071172	Homo sapiens HERC2	324	57.009
9146	Y17793	Mus musculus Dutt1 protein	644	87.156
9147	X98259	Homo sapiens M-phase phosphoprotein 8	380	55.285
9148	X85124	Mus musculus PACSIN	435	87.342
9149	U64833	Caenorhabditis elegans B0507.2 gene product	888	40.000
9150	M93017	Rattus norvegicus , gene product	1094	92.228
9151	AB026190	Homo sapiens Kelch motif containing protein	675	32.159
9152	AJ388555	Canis familiaris hypothetical protein	1163	88.559
9153	AB002312	Homo sapiens KIAA0314	597	39.384
9154	AF055636	Homo sapiens leucine-rich glioma-inactivated protein precursor	723	53.000
9155	D50930	Homo sapiens The KIAA0140 gene product is novel.	198	31.217
9156	AF006492	Mus musculus FOG	1384	68.652
9157	AF043179	Homo sapiens T cell receptor beta chain	758	58.768
9158	D86984	Homo sapiens similar to yeast adenylate cyclase (S56776)	1436	63.772
9159	X55777	Homo sapiens put. ORF	351	70.513
9160	AF076167	Rattus norvegicus UDP-GalNAc:polypeptide N-acetylglactosaminyltransferase T6	1118	91.892
9161	U67549	Methanococcus jannaschii spore coat polysaccharide biosynthesis protein E	675	35.770
9162	AL022325	Homo sapiens ff27C3.1.1 (protein similar to C. elegans protein B0035.16) (isoform 1)	922	75.115
9163	AL031266	Caenorhabditis elegans VM106R.1	275	42.105
9164	U00051	Caenorhabditis elegans coded for by C. elegans cDNA yk50b2.5; coded for by C. elegans cDNA CEESV26F; similar to lipases over a short region	827	31.369
9165	AB007898	Homo sapiens KIAA0438	198	80.556

9166	AF072509	Rattus norvegicus glutamate receptor interacting protein 2	826	84.472
9167	U40942	Caenorhabditis elegans No definition line found	759	45.956
9168	AB020649	Homo sapiens KIAA0842 protein	352	84.932
9169	D80009	Homo sapiens KIAA0187	864	93.750
9170	AF155110	Homo sapiens NY-REN-45 antigen	1914	51.565
9171	U88165	Caenorhabditis elegans No definition line found	616	48.374
9172	L04159	Plasmodium falciparum 3' end., gene product	204	27.723
9173	AF022985	Caenorhabditis elegans No definition line found	465	43.478
9174	AF098505	Caenorhabditis elegans similar to Arabidopsis thaliana male sterility protein 2 (SW:Q08891)	525	37.379
9175	AL021997	Homo sapiens dJ874C20.1 (Zinc Finger Protein ZFP47 LIKE)	266	59.770
9176	D80006	Homo sapiens KIAA0184	738	99.138
9177	M23613	Homo sapiens nucleophosmin	737	93.600
9178	L15309	Homo sapiens zinc finger protein	250	77.778
9179	U47619	Drosophila melanogaster ovary2	1262	42.715
9180	AB014536	Homo sapiens KIAA0636 protein	803	47.482
9181	U80741	Homo sapiens CAGH44	704	68.478
9182	U71363	Homo sapiens zinc finger protein zfp6	887	78.409
9183	X85786	Homo sapiens binding regulatory factor	358	49.600
9184	L11275	Saccharomyces cerevisiae selected as a weak suppressor of a mutant of the subunit AC40 of DNA dependant RNA polymerase I and III	180	27.317
9185	AF177203	Homo sapiens cerebral cell adhesion molecule	492	72.414
9186	D79994	Homo sapiens similar to ankyrin of Chromatium vinosum.	305	37.453
9187	AF041083	Rattus norvegicus RoBo-1	189	29.710
9188	AF099742	Rattus norvegicus putative short-chain dehydrogenase/reductase	921	73.575
9189	AF035209	Mus musculus putative v-SNARE Vtila	843	95.238
9190	AF181655	Drosophila melanogaster BcDNA.LD27873	298	42.754
9191	M29852	Oryctolagus cuniculus cytochrome P-450 isozyme 5	479	50.340
9192	AF151820	Homo sapiens CGI-62 protein	994	97.297
9193	AB007876	Homo sapiens KIAA0416	1001	56.554
9194	U38980	Homo sapiens hPMR6	340	64.634
9195	U26397	Rattus norvegicus inositol polyphosphate 4-phosphatase	384	28.378
9196	AE001058	Archaeoglobus fulgidus adenylate kinase (adk)	178	31.034
9197	L05147	Homo sapiens phosphatase tyrosine/serine	242	45.833
9198	AF126746	Mus musculus zinc finger protein splice variant FIZ1-A	474	42.021
9199	M27685	Mus musculus ultra-high sulphur keratin	432	47.934
9200	AF064604	Homo sapiens KE03 protein	2308	99.717
9201	AF036145	Homo sapiens meningioma-expressed antigen 5	1458	99.099
9202	AF184919	Rattus norvegicus artemin	142	40.000
9203	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	357	76.471
9204	AB002803	Homo sapiens BACH1	324	38.571
9205	X90849	Gallus gallus polybromo 1 protein	2847	88.200
9206	AL080125	Homo sapiens hypothetical protein	982	64.082
9207	AB007898	Homo sapiens KIAA0438	198	80.556
9208	AF155352	Mus musculus ankyrin repeat-containing protein Asb-1	374	41.667
9209	AL050110	Homo sapiens hypothetical protein	4147	100.000
9210	S58722	Homo sapiens X-linked retinopathy protein {C-	179	80.000

		terminal, clone XEH.8c}		
9211	AF177942	Xenopus laevis katanin p60	655	48.918
9212	AL080125	Homo sapiens hypothetical protein	540	61.074
9213	AF016508	Mus musculus C-terminal binding protein 2	1107	79.916
9214	AB018308	Homo sapiens KIAA0765 protein	400	32.530
9215	U37263	Homo sapiens KRAB zinc finger protein; Method: conceptual translation supplied by author	548	39.464
9216	M14268	Homo sapiens T-cell receptor V-region (V-D-J)	736	92.742
9217	AB014594	Homo sapiens KIAA0694 protein	523	60.140
9218	AF180920	Homo sapiens cyclin ania-6a	1016	70.044
9219	X01655	Homo sapiens type III procollagen (aa 892- 1023)	143	39.231
9220	U33007	Saccharomyces cerevisiae Ydr449cp; CAI: 0.18	337	31.959
9221	AJ005073	Mus musculus Alix	1066	95.455
9222	AL110151	Homo sapiens hypothetical protein	240	38.760
9223	D66904	Homo sapiens suppressor for yeast mutant	436	77.778
9224	U58332	Mus musculus receptor tyrosine kinase	362	81.159
9225	AF092091	Rattus norvegicus cp431	215	71.154
9226	AF106682	Homo sapiens spindlin	688	100.000
9227	AJ131730	Homo sapiens DREAM protein	205	41.111
9228	AB025259	Mus musculus granuphilin-b	405	40.123
9229	AB002336	Homo sapiens KIAA0338	1185	84.163
9230	X57206	Homo sapiens 1D-myo-inositol-trisphosphate 3- kinase	1194	87.081
9231	AF002197	Caenorhabditis elegans short region of weak similarity to protein kinase C; contains similarity to Pfam domain PF00130 (DAG_PE- bind), Score=10.0, E-value=0.0034, N=1	453	34.061
9232	M63963	Rattus norvegicus H,K-ATPase catalytic subunit	285	91.667
9233	AJ388557	Canis familiaris zinc finger protein	327	62.366
9234	AC006264	Arabidopsis thaliana unknown protein	802	43.408
9235	X98507	Homo sapiens myosin I beta	2935	97.650
9236	AF152963	Rattus norvegicus NADH/NADPH mitogenic oxidase subunit p65-mox	319	36.216
9237	U89280	Rattus norvegicus oxidative 17 beta hydroxysteroid dehydrogenase type 6	418	69.697
9238	Z21507	Homo sapiens human elongation factor-1-delta	511	72.308
9239	Z73619	Saccharomyces cerevisiae ORF YPL263c	438	34.014
9240	AC004484	Arabidopsis thaliana hypothetical protein	611	42.029
9241	Z83760	Ciona intestinalis COS41.5	181	33.333
9242	AF061025	Homo sapiens leucine zipper-EF-hand containing transmembrane protein 1	1628	99.184
9243	J02638	Escherichia coli polynucleotide phosphorilase	601	44.091
9244	AB013607	Mus musculus c29	671	62.983
9245	AJ243310	Homo sapiens Cl4orf3 protein	357	36.910
9246	X14046	Homo sapiens CD37 (AA 1-244)	217	57.831
9247	M69181	Homo sapiens non-muscle myosin B	9236	99.384
9248	X00947	Homo sapiens alpha 1 antichymotrypsin	275	58.889
9249	AF104246	Gallus gallus enhancer of filamentation 1 homolog	319	39.490
9250	L24521	Homo sapiens transformation-related protein	227	51.220
9251	AF021231	Mus musculus acetylcholinesterase-associated collagen	177	30.833
9252	A31036	Nicotiana glauca PRP2	197	36.275
9253	X80433	Mus musculus tex292	278	80.597
9254	X61047	Hydra sp. mini-collagen	183	43.038
9255	AF118838	Homo sapiens citrin; adult-onset type II citrullinemia protein	1574	99.605

9256	D90869	Escherichia coli similar to	1633	97.048
9257	AF114817	Homo sapiens KRAB-zinc finger protein SZF1-2	271	82.143
9258	M15530	Homo sapiens B-cell growth factor	156	55.102
9259	M15386	Homo sapiens gamma-globin	476	67.241
9260	X55777	Homo sapiens put. ORF	157	50.877
9261	V00488	Homo sapiens alpha globin	364	74.684
9262	U36771	Rattus norvegicus sn-glycerol 3-phosphate acyltransferase	226	60.714
9263	L10910	Homo sapiens splicing factor	161	52.941
9264	AB019438	Homo sapiens immunoglobulin heavy chain variable region	506	82.105
9265	X53777	Homo sapiens putative ribosomal protein (AA 1-184)	513	69.369
9266	X03725	Mus musculus ORF 2 (466 aa)	183	42.466
9267	AF115435	Rattus norvegicus syntaxin 17	236	90.244
9268	L38717	Rattus norvegicus titin	345	65.000
9269	U23452	Caenorhabditis elegans No definition line found	224	29.921
9270	AF134983	Mus musculus energy-dependent regulator of proteolysis	286	62.857
9271	D10653	Homo sapiens cell surface glycoprotein	393	66.990
9272	L07955	Bos taurus factor activating exoenzyme S	582	72.656
9273	J05459	Homo sapiens glutathione transferase M3	597	75.424
9274	AB000910	Sus scrofa ribosomal protein	356	89.286
9275	L07599	Homo sapiens ribosomal protein S6 kinase 3	550	81.188
9276	A12029	Homo sapiens MRP-14	534	71.296
9277	U01317	Homo sapiens G-gamma globin	287	58.140
9278	AC002550	Homo sapiens Unknown gene product	181	51.724
9279	AF028808	Mus musculus hemin-sensitive initiation factor 2 alpha kinase	2818	81.714
9280	X56411	Homo sapiens alcohol dehydrogenase	230	87.179
9281	M15386	Homo sapiens gamma-globin	295	61.039
9282	V00488	Homo sapiens alpha globin	228	94.595
9283	AB025026	Homo sapiens brain carboxylesterase hBr1	242	87.805
9284	M15386	Homo sapiens gamma-globin	455	70.588
9285	M15386	Homo sapiens gamma-globin	199	91.176
9286	M15386	Homo sapiens gamma-globin	382	67.010
9287	U14966	Homo sapiens ribosomal protein L5	1157	96.667
9288	V01514	Homo sapiens reading frame AFP	460	69.725
9289	AF115435	Rattus norvegicus syntaxin 17	236	90.244
9290	X02515	Homo sapiens T-cell receptor beta 1 chain	209	53.425
9291	X00497	Homo sapiens putative p33	294	54.167
9292	AL035593	Homo sapiens dJ310J6.1 (novel protein)	164	61.905
9293	M15386	Homo sapiens gamma-globin	491	73.786
9294	AF079873	Rattus norvegicus splicing factor 1 homolog	252	49.451
9295	AF150089	Homo sapiens small zinc finger-like protein	163	56.818
9296	M15386	Homo sapiens gamma-globin	333	55.670
9297	M15386	Homo sapiens gamma-globin	415	65.000
9298	V00488	Homo sapiens alpha globin	370	90.323
9299	M15386	Homo sapiens gamma-globin	205	53.030
9300	D13891	Homo sapiens Id-2H	38	32.000
9301	AF016370	Homo sapiens U4/U6 small nuclear ribonucleoprotein hPrp3	1798	91.613
9302	X55777	Homo sapiens put. ORF	248	62.963
9303	X17617	Mus musculus zinc finger protein (AA 1-580)	661	54.023
9304	U80955	Caenorhabditis elegans contains a domain found in band 4.1, ezrin, moesin, radixin and talin	822	48.561
9305	X55777	Homo sapiens put. ORF	319	58.537
9306	M13100	Rattus norvegicus unknown protein	158	39.241

9307	M36899	Cricetulus griseus uridine diphosphate N-acetyl D-glucosamine dolichol phosphate N-acetyl glucosamine-1 phosphate transferase	1050	91.765
9308	A67508	Mus musculus MUS MUSCULUS GENOMIC DNA CONTAINING THE FV1 GENE.	405	44.253
9309	AF143241	Mus musculus ADP-ribosylation factor-like protein 3	241	37.838
9310	D37885	Rattus norvegicus choline kinase R2	304	41.401
9311	AF126062	Homo sapiens Arf-like 2 binding protein BART1	292	55.952
9312	U38979	Homo sapiens hPMSR3	177	35.354
9313	U60269	Homo sapiens putative envelope protein; orf similar to env of Type A and Type B retroviruses and to class II HERVs	450	77.907
9314	AF045641	Caenorhabditis elegans No definition line found	1008	44.789
9315	U54644	Homo sapiens tub homolog	600	65.922
9316	S36219	Homo sapiens prostaglandin G/H synthase, PGG/HS	204	73.469
9317	X55777	Homo sapiens put. ORF	248	62.963
9318	AF055985	Onchocerca volvulus pyrrolidone-rich antigen	117	28.395
9319	AF043724	Homo sapiens hepatitis A virus cellular receptor 1	1578	77.640
9320	U78294	Homo sapiens 15S-lipoxygenase	193	54.237
9321	AF037402	Bos taurus butyrophilin	253	42.308
9322	D90903	Synechocystis sp. hypothetical protein	211	51.667
9323	AF017368	Mus musculus faciogenital dysplasia protein 2	299	78.182
9324	U66220	Nannocystis exedens unknown	166	32.584
9325	Z30425	Homo sapiens orphan nuclear hormone receptor	332	92.308
9326	U87965	Mus musculus putative G-protein	972	41.667
9327	Y08685	Homo sapiens serine palmitoyltransferase, subunit I	958	94.737
9328	Z47072	Caenorhabditis elegans similar to acid phosphatase	722	36.607
9329	L27428	Homo sapiens reverse transcriptase	220	43.836
9330	A22096	Homo sapiens plasminogen	854	90.845
9331	D63477	Homo sapiens The KIAA0143 gene product is related to a putative C.elegans gene encoded on cosmid C32D5.	1332	98.030
9332	AF115435	Rattus norvegicus syntaxin 17	236	90.244
9333	AF008203	Homo sapiens homeobox protein	442	42.424
9334	AF067972	Homo sapiens DNA cytosine methyltransferase 3 alpha	1036	82.902
9335	AJ243460	Leishmania major proteophosphoglycan	212	34.653
9336	Z80220	Unknown similar to nucleotide binding protein; cDNA EST EMBL:M75897 comes from this gene; cDNA EST	433	50.806
9337	AC009322	Arabidopsis thaliana Hypothetical protein	232	50.704
9338	AL023284	Homo sapiens dJ406A7.2.1 (Microtubule Associated Protein E-MAP-115)	401	59.804
9339	AF055077	Homo sapiens zinc finger protein 42	469	63.025
9340	Y11354	Homo sapiens subunit of RNA polymerase II transcription factor TFIID	215	29.646
9341	AP000001	Pyrococcus horikoshii 305aa long hypothetical L-asparaginase	173	44.928
9342	AB020690	Homo sapiens KIAA0883 protein	179	50.000
9343	AF045640	Caenorhabditis elegans No definition line found	665	45.378
9344	AF173378	Homo sapiens 60S acidic ribosomal protein PO	442	89.333
9345	AC005328	Homo sapiens R26660 1, partial CDS	694	73.600

9346	AF022465	Mus musculus high mobility group protein homolog HMG4	492	83.333
9347	X66357	Homo sapiens serine/threonine protein kinase	257	91.111
9348	AL024499	Caenorhabditis elegans cDNA EST EMBL:C10123 comes from this gene	452	35.961
9349	AF076167	Rattus norvegicus UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase T6	48	23.404
9350	AB014555	Homo sapiens KIAA0655 protein	965	87.952
9351	AB014074	Rattus norvegicus semaphorin Y short isoform	668	86.441
9352	D89103	Schizosaccharomyces pombe unnamed protein product	211	46.602
9353	Y10392	Human endogenous retrovirus K gag protein	335	41.026
9354	AF176514	Mus musculus E2F1-inducible protein	169	38.636
9355	AB024075	Homo sapiens B120	394	50.000
9356	Z14310	Human endogenous retrovirus tripartite fusion transcript PLA2L	170	59.574
9357	U55366	Caenorhabditis elegans Similar to cuticle collagen	186	29.775
9358	L29028	Unknown amino acid feature: N-glycosylation sites, aa 41 .. 43, 46 .. 48, 51 .. 53, 72 .. 74, 107 .	147	30.345
9359	AF022985	Unknown Similar to collagen; coded for by C. elegans cDNA yk55f3.3; coded for by C. elegans cDNA	187	29.730
9360	U56964	Caenorhabditis elegans weak similarity to S. cerevisiae intracellular protein transport protein US)1 (SP:P25386)	371	31.939
9361	M26312	Oryctolagus cuniculus unknown protein	161	40.000
9362	AL050156	Homo sapiens hypothetical protein	547	49.756
9363	S58722	Homo sapiens X-linked retinopathy protein {C-terminal, clone XEH.8c}	204	58.462
9364	AL021481	Caenorhabditis elegans cDNA EST EMBL:T01200 comes from this gene; cDNA EST EMBL:D72618 comes from this gene; cDNA EST yk343c3.3 comes from this gene; cDNA EST EMBL:Z14821 comes from this gene	395	31.050
9365	AC005498	Homo sapiens R31665 2	305	56.098
9366	AJ011523	Caenorhabditis elegans CHE-2 protein	405	41.135
9367	U49974	Homo sapiens mariner transposase	227	55.422
9368	S61069	Homo sapiens reverse transcriptase homolog=pol {retroviral element}	291	86.275
9369	X55777	Homo sapiens put. ORF	332	64.557
9370	AF010314	Homo sapiens Pig10	223	35.593
9371	X07858	Saccharomyces cerevisiae ORF (1 is 3rd base in codon) (266 is 1st base in codon)	109	41.667
9372	U41020	Caenorhabditis elegans coded for by C. elegans cDNA yk100g4.5; coded for by C. elegans cDNA yk100g4.3; weakly similar to human SREBP-2 basic-helix-loop-helix-leucine zipper transcription factor	407	50.450
9373	U37263	Homo sapiens KRAB zinc finger protein; Method: conceptual translation supplied by author	222	73.333
9374	U50193	Unknown coded for by C. elegans cDNA CEMSG95FB; coded for by C. elegans cDNA CEMSG95RB; coded for b	255	33.113
9375	AB020709	Homo sapiens KIAA0902 protein	624	70.896
9376	AL021571	Caenorhabditis elegans predicted using Genefinder	312	36.943

		GM130		
9418	X75090	Homo sapiens PHAPI (Putative HLA DR Associated Protein I)	838	65.517
9419	AB011137	Homo sapiens KIAA0565 protein	219	47.222
9420	D63881	Homo sapiens KIAA0160 gene product is novel.	3129	98.323
9421	AB020716	Homo sapiens KIAA0909 protein	348	100.000
9422	Z75330	Homo sapiens nuclear protein SA-1	651	100.000
9423	AJ005890	Homo sapiens JM1	169	100.000
9424	AC004697	Arabidopsis thaliana unknown protein	226	29.143
9425	AF140691	Mus musculus melusin	733	51.376
9426	AJ006591	Homo sapiens cysteine-rich protein	256	97.500
9427	X90875	Mus musculus FXR1	183	96.000
9428	Z27170	Homo sapiens IG light chain variable region (VJ)	518	76.238
9429	AF061034	Homo sapiens FIP2	377	65.060
9430	D64062	Rattus norvegicus annexin V-binding protein (ABP-10)	1326	73.448
9431	L22557	Rattus norvegicus calmodulin-binding protein	420	80.723
9432	AF111168	Homo sapiens unknown	759	100.000
9433	U16800	Xenopus laevis ribonucleoprotein	1367	79.688
9434	AF105378	Homo sapiens heparan sulfate D-glucosaminyl 3-O-sulfotransferase-4	1257	99.474
9435	AB014536	Homo sapiens KIAA0636 protein	1756	61.358
9436	AF123880	multiple sclerosis associated retrovirus element gag polyprotein	226	53.448
9437	U85055	Mus musculus rap1/rap2 interacting protein	703	93.694
9438	AB007903	Homo sapiens KIAA0443	416	49.682
9439	Z66568	Schizosaccharomyces pombe hypothetical trp-asp repeats containing protein	522	42.941
9440	AF157706	Human herpesvirus 6B B4	157	36.923
9441	AC004908	Homo sapiens zinc finger protein from gene of uncertain exon structure; similar to Q99676 (PID:g3025333)	855	99.180
9442	AF153191	Homo sapiens nm23-H7	890	79.558
9443	AF059569	Homo sapiens actin binding protein MAYVEN	519	100.000
9444	AF065414	Homo sapiens COBW-like placental protein	188	90.625
9445	AB019440	Homo sapiens immunoglobulin heavy chain variable region	486	79.310
9446	AB019439	Homo sapiens immunoglobulin heavy chain variable region	577	89.320
9447	V00488	Homo sapiens alpha globin	331	81.356
9448	AF155105	Homo sapiens putative zinc finger protein NY-REN-34 antigen	251	35.577
9449	AF062146	Homo sapiens immunoglobulin heavy chain variable region	866	93.525
9450	AJ131730	Homo sapiens DREAM protein	142	70.370
9451	AJ224819	Homo sapiens tumor suppressor	572	42.132
9452	AF084521	Homo sapiens brefeldin A-inhibited guanine nucleotide-exchange protein 2	186	100.000
9453	M93017	Rattus norvegicus , gene product	491	92.500
9454	M33328	Homo sapiens calpastatin	152	95.833
9455	X00452	Homo sapiens DC classII histocompatibility antigen alpha-chain	255	95.238
9456	AF117888	Homo sapiens myosin-IXa	5696	99.649
9457	X60221	Homo sapiens H+-ATP synthase subunit b	284	53.750
9458	X75785	Rattus norvegicus SCP3 protein	191	58.824
9459	V00488	Homo sapiens alpha globin	374	98.246
9460	AB020716	Homo sapiens KIAA0909 protein	195	79.412
9461	AC005825	Arabidopsis thaliana putative glucokinase	265	48.193

9462	AE000854	Methanobacterium thermoautotrophicum Na ⁺ /H ⁺ -exchanging protein:Na ⁺ /H ⁺ antiporter	191	37.391
9463	A31039	Nicotiana glauca PRP3	176	38.272
9464	AC002988	Homo sapiens OLF4	303	78.689
9465	AF151826	Homo sapiens CGI-68 protein	201	68.889
9466	X52128	Mus musculus domesticus pBS13 precursor polypeptide, testis-specific	543	40.609
9467	AF070663	Homo sapiens HSPC007	297	71.875
9468	U31449	Homo sapiens tetraspan membrane protein	252	74.510
9469	D14340	Mus musculus ZO-1	174	100.000
9470	V00488	Homo sapiens alpha globin	118	100.000
9471	AC003007	Homo sapiens Unknown gene product (partial)	468	89.024
9472	AC007842	Homo sapiens BC331191.1	290	54.545
9473	M74090	Homo sapiens TB2	356	63.043
9474	A06100	synthetic construct synthetic antithrombin III	459	92.105
9475	AL050062	Homo sapiens hypothetical protein	259	94.872
9476	L06498	Homo sapiens ribosomal protein S20	387	84.211
9477	X56932	Homo sapiens 23 kD highly basic protein	963	100.000
9478	AF151830	Homo sapiens CGI-72 protein	935	85.556
9479	AL033503	Candida albicans conserved hypothetical protein	334	40.299
9480	AF054180	Homo sapiens hematopoietic cell derived zinc finger protein	234	55.556
9481	X57821	Homo sapiens immunoglobulin lambda light chain	484	79.787
9482	J02828	Gallus gallus beta-tubulin	1224	82.692
9483	AJ006710	Rattus norvegicus phosphatidylinositol 3-kinase	1147	93.855
9484	AF041207	Homo sapiens midline 1 cerebellar isoform 2	285	33.113
9485	X63797	Gallus gallus decorin	519	55.245
9486	AL023799	Homo sapiens dJ322P7.1 (zinc finger)	276	89.130
9487	U09368	Homo sapiens zinc finger protein ZNF140	296	62.500
9488	X93207	Homo sapiens NRD2 convertase	285	100.000
9489	AF017369	Mus musculus faciogenital dysplasia protein 3	2523	80.328
9490	D83268	Athalia rosae vitellogenin	141	43.662
9491	U23514	Caenorhabditis elegans similar to S. cerevisiae SSD1 protein (SP:SSD1_YEAST, P24276) and to E. coli VACB and Ribonuclease II genes	231	39.560
9492	AC005594	Homo sapiens R26984.1	786	47.566
9493	AB023231	Homo sapiens KIAA1014 protein	1009	51.908
9494	L42324	Homo sapiens G protein-linked receptor	654	96.970
9495	AC004262	Homo sapiens R29368.2	906	83.140
9496	U29488	Caenorhabditis elegans No definition line found	578	44.915
9497	AF116826	Homo sapiens putative protein-tyrosine kinase	818	96.923
9498	U95044	Homo sapiens zinc finger protein	402	69.565
9499	U05343	Mus musculus zinc finger protein PZF	2307	93.151
9500	Z74031	Unknown Similarity to Yeast D-lactate dehydrogenase (SW:DL1_YEAST); cDNA EST EMBL:C12235 comes from	662	44.017
9501	AJ011118	Mus musculus skeletal muscle and cardiac protein	988	87.709
9502	X78927	Homo sapiens zinc finger protein	439	98.529
9503	AF030131	Mus musculus Plenty of SH3s; POSH	382	58.163
9504	Y18208	Rattus norvegicus serine-threonine specific protein phosphatase, glycogen-binding (GL) subunit	228	80.952
9505	AC002130	Arabidopsis thaliana F1N21.13	346	48.148
9506	Z73428	Caenorhabditis elegans similar to Zinc finger,	391	34.197

		C3HC4 type (RING finger); cDNA EST EMBL:D67323 comes from this gene		
9507	AF061258	Homo sapiens LIM protein	227	100.000
9508	AB002584	Rattus norvegicus beta-alanine-pyruvate aminotransferase	448	78.049
9509	D42054	Homo sapiens KIAA0092 gene product is distantly related to smooth muscle myosin.	191	46.970
9510	D87455	Homo sapiens Similar to S.cerevisiae hypothetical protein 5 (S49634)	1099	82.775
9511	AF123880	multiple sclerosis associated retrovirus element gag polyprotein	263	45.556
9512	X68670	Mus musculus deoxynucleotidyltransferase	442	39.906
9513	AF149414	Arabidopsis thaliana contains similarity to Pfam family PF00145 (C-5 cytosine-specific DNA methylase); score=10.4. E=0.051, N=1	390	36.946
9514	AF155739	Mus musculus axotrophin	302	88.235
9515	U49385	Mus musculus CTP synthetase homolog	2213	93.820
9516	X72467	Homo sapiens Ig kappa light chain (VJC)	717	90.517
9517	AF109907	Homo sapiens S164	380	26.140
9518	X17617	Mus musculus zinc finger protein (AA 1-580)	198	69.767
9519	U28831	Homo sapiens protein that is immuno-reactive with anti-PTH polyclonal antibodies	712	59.556
9520	AJ222636	Homo sapiens hypothetical protein	288	41.618
9521	L11672	Homo sapiens zinc finger protein	270	43.548
9522	U25691	Mus musculus lymphocyte specific helicase	427	96.774
9523	AB011097	Homo sapiens KIAA0525 protein	660	57.297
9524	U35376	Homo sapiens repressor transcriptional factor	729	39.655
9525	Z81030	Unknown similar to O-sialoglycoprotein endopeptidase; cDNA EST EMBL:D73065 comes from this gene; cD	472	42.593
9526	AL049608	Arabidopsis thaliana extensin-like protein	241	27.372
9527	AF019085	Homo sapiens BRDT	231	24.869
9528	AF039720	Caenorhabditis elegans No definition line found	974	56.452
9529	D25215	Homo sapiens KIAA0032	277	48.148
9530	U29096	Caenorhabditis elegans coded for by C. elegans cDNA yk44f2.5; similar to P59 protein (HSP binding immunophilin) and to TPR domain	272	40.351
9531	D82080	Gallus gallus leucine-zipper protein	283	40.816
9532	S45663	Rattus sp. SC2=synaptic glycoprotein	220	42.667
9533	Z54327	Caenorhabditis elegans similar to oxidoreductase	449	31.707
9534	AL050159	Homo sapiens hypothetical protein	832	60.215
9535	U83176	Mus musculus ROSA26AS	622	67.808
9536	L31840	Rattus norvegicus nuclear pore complex protein NUP107	1227	84.071
9537	AF155595	Homo sapiens CoREST protein	225	47.619
9538	L01042	Homo sapiens TATA element modulatory factor	1129	100.000
9539	Z93386	Unknown Similarity to Yeast hypothetical 52.9 KD protein (SW:P43616); cDNA EST EMBL:M89432 comes fr	180	38.889
9540	AL022393	Homo sapiens p373c6.2	605	52.151
9541	Z48475	Homo sapiens glucokinase regulator	1390	99.074
9542	Z30425	Homo sapiens orphan nuclear hormone receptor	573	98.734
9543	AB023191	Homo sapiens KIAA0974 protein	241	34.146
9544	AC002337	Arabidopsis thaliana G-beta-repeat containing protein isolog	156	37.349
9545	AF109134	Homo sapiens 7-60	195	80.000
9546	K02401	Homo sapiens chorionic somatomammotropin	789	96.000

9547	X15187	Homo sapiens precursor polypeptide (AA -21 to 782)	1315	99.057
9548	AF129756	Homo sapiens NG32	839	100.000
9549	AF085279	Arabidopsis thaliana hypothetical protein	538	49.032
9550	U42208	Oryza sativa OSBZ8	82	64.706
9551	D78132	Homo sapiens ras-related GTP-binding protein	435	57.798
9552	AC004886	Homo sapiens C-terminus matches KIAA0559, N-terminus similar to Bassoon protein; match to PID:g3043642; similar to PID:g3413810	422	100.000
9553	A52806	unidentified unnamed protein product	677	83.186
9554	D50310	Homo sapiens cyclin I	245	55.556
9555	M63180	Homo sapiens threonyl-tRNA synthetase	729	44.492
9556	AC004382	Homo sapiens Unknown gene product	968	100.000
9557	AF099973	Mus musculus schlafen2	680	50.000
9558	D16200	Sus scrofa sp32 precursor	2428	82.118
9559	X74504	Mus musculus T10	1514	73.089
9560	AJ007970	Mus musculus interferon-g induced GTPase	168	87.500
9561	Z18946	Mycobacteriophage 15 predicted 21.3kd protein	120	31.624
9562	AB002819	Perilla frutescens actin	178	96.667
9563	AB011089	Homo sapiens KIAA0517 protein	986	94.118
9564	Z66521	Caenorhabditis elegans similar to mitochondrial RNA splicing MSR4 like protein; cDNA EST EMBL:C09217 comes from this gene	698	54.688
9565	AF005497	Bos taurus butyrophilin	655	43.421
9566	D14168	Bombyx mori 50kDa lectin	221	29.268
9567	AC004883	Homo sapiens similar to KIAA0766; similar to PID:g3882253	1418	96.413
9568	AB018340	Homo sapiens KIAA0797 protein	855	100.000
9569	X51760	Homo sapiens zinc finger protein (583 AA)	669	66.258
9570	AJ132889	Mus musculus kinesin like protein 9	537	86.667
9571	L38933	Homo sapiens the longest open reading frame predicts a protein of 202 amino acids, with fair Kozak consensus at the initial ATG codon; an in-frame TGA codon is seen at nucleotide 8; ORF; putative	243	92.683
9572	U19617	Mus musculus Elf-1	1020	91.525
9573	AF022962	Mus musculus Sec8	748	98.333
9574	X96586	Homo sapiens FAN protein	1216	100.000
9575	Z74043	Caenorhabditis elegans predicted using Genefinder; cDNA EST EMBL:C13850 comes from this gene; cDNA EST EMBL:C11575 comes from this gene; cDNA EST yk343f4.5 comes from this gene	369	65.476
9576	AF067855	Homo sapiens geminin	567	98.901
9577	Z83107	Unknown cDNA EST EMBL:D69907 comes from this gene; cDNA EST EMBL:C13424 comes from this gene; cDNA	202	26.994
9578	AB023187	Homo sapiens KIAA0970 protein	436	60.185
9579	X68249	Xenopus laevis Proline rich protein	983	66.376
9580	AF166261	Xenopus laevis nuclear protein Sojo	303	61.644
9581	AF056034	Rattus norvegicus F-actin binding protein b-Nexilin	625	93.269
9582	D13626	Homo sapiens KIAA0001	735	47.393
9583	AB020684	Homo sapiens KIAA0877 protein	427	69.880
9584	K02113	Unknown Gallus gallus vitellogenin	186	22.280
9585	L36315	Mus musculus zinc finger protein	925	97.727
9586	AJ001810	Homo sapiens mRNA cleavage factor I 25 kDa subunit	265	100.000
9587	Z78542	Unknown cDNA EST EMBL:D72182 comes from this	158	28.409

		gene; cDNA EST EMBL:D72353 comes from this gene; cDNA		
9588	AF067430	Mus musculus Smarcel-related protein	895	52.140
9589	AL031266	Caenorhabditis elegans VM106R.1	242	46.237
9590	U23486	Caenorhabditis elegans similar to S. cerevisiae zinc finger protein GCS1 (SP:GCS1 YEAST)	323	64.407
9591	U00483	Macaca mulatta mucin	164	24.000
9592	X77953	Rattus norvegicus ribosomal protein S15a	257	78.431
9593	U80753	Homo sapiens CAGL79	1936	98.962
9594	D50919	Homo sapiens The KIAA0129 gene product is novel.	218	97.222
9595	M68864	Homo sapiens ORF	197	50.820
9596	AB023432	Rattus norvegicus aspartoacylase	261	50.769
9597	AC004997	Unknown match to ESTs AA667999 (NID:g2626700), AA165465 (NID:g1741481), Z45871 (NID:g575105), and	1762	71.131
9598	U29659	Human endogenous retrovirus pol gene product	626	100.000
9599	AF134726	Homo sapiens NG22	741	41.053
9600	X66405	Mus musculus collagen alpha1 type VI-precursor	2251	92.837
9601	AF153366	Mus musculus tubulo-interstitial nephritis antigen	1246	50.578
9602	Z99118	Bacillus subtilis similar to hypothetical proteins	345	50.526
9603	AC004780	Homo sapiens F17127 1	186	82.759
9604	AC004849	Homo sapiens similar to KIAA0662; similar to AB014562 (PID:g3327138)	1459	94.286
9605	X72012	Homo sapiens endoglin	479	82.609
9606	X05562	Homo sapiens alpha-2 chain precursor (AA -25 to 1018) (3416 is 2nd base in codon)	2224	100.000
9607	AL050272	Homo sapiens hypothetical protein	667	99.000
9608	X84692	Mus musculus spermatid perinuclear RNA binding protein	1617	98.387
9609	A31038	Nicotiana glauca PRP3	161	40.323
9610	Z74042	Caenorhabditis elegans predicted using Genefinder; Similarity to Haemophilus 3-oxoacyl-(acyl-carrier protein) reductase (SW:FABG_HAEIN); cDNA EST yk470b2.3 comes from this gene; cDNA EST yk470b2.5 comes from this gene	266	43.000
9611	AJ010317	Fugu rubripes Sand	481	46.860
9612	Z47808	Unknown similar to beta-transducin; cDNA EST yk489h7.5 comes from this gene; cDNA EST yk399d9.5 com	1099	40.643
9613	V00639	Bacteriophage 434 reading frame (rex1 protein)	1128	100.000
9614	AB016816	Homo sapiens MASL1	336	36.032
9615	AF071317	Mus musculus COP9 complex subunit 7b	537	98.864
9616	AF182426	Rattus norvegicus arylacetamide deacetylase	755	42.748
9617	AB014557	Homo sapiens KIAA0657 protein	2375	100.000
9618	S69232	Homo sapiens electron transfer flavoprotein-ubiquinone oxidoreductase, ETF-QO (EC 1.5.5.1)	219	97.297
9619	AF123880	multiple sclerosis associated retrovirus element gag polyprotein	170	37.838
9620	AB020625	Homo sapiens butyrophilin like receptor	225	27.612
9621	U09367	Homo sapiens zinc finger protein ZNF136	1402	52.308
9622	AB014888	Homo sapiens MRJ	441	87.838
9623	AF132726	Mus musculus FLASH	665	88.793
9624	X90849	Gallus gallus polybromo 1 protein	196	30.392

9625	S83545	Homo sapiens Na ⁺ /H ⁺ exchanger isoform NHE-3	260	97.500
9626	AF151904	Homo sapiens CGI-146 protein	208	96.552
9627	AF181645	Drosophila melanogaster BcDNA.GH12144	292	45.263
9628	AJ243895	Mus musculus basic-helix-loop-helix protein (bHLH)	417	66.364
9629	Z80223	Caenorhabditis elegans predicted using Genefinder	258	27.152
9630	U72661	Homo sapiens ninjurin1	356	56.190
9631	Y18265	Homo sapiens zinc finger protein SALL1	149	26.901
9632	AF111943	Dictyostelium discoideum development protein DG1124	196	45.614
9633	X56958	Homo sapiens ankyrin (brank-2)	580	98.936
9634	AL050231	Drosophila melanogaster BACR37P7.g	272	46.988
9635	AF080171	Homo sapiens zinc finger protein ZNF232	595	100.000
9636	AF005392	Homo sapiens alpha tubulin	519	90.588
9637	AF011566	Homo sapiens immunoglobulin-like transcript 4	136	35.000
9638	Z46935	Caenorhabditis elegans weak similarity with quinone oxidoreductase; cDNA EST EMBL:C13104 comes from this gene; cDNA EST yk264f3.5 comes from this gene	247	40.385
9639	U09367	Homo sapiens zinc finger protein ZNF136	207	33.835
9640	AC002339	Arabidopsis thaliana hypothetical protein	185	29.851
9641	Z22866	Mus musculus skelemin	573	74.603
9642	Z50028	Caenorhabditis elegans cDNA EST yk321h8.5 comes from this gene; cDNA EST EMBL:D68896 comes from this gene; cDNA EST yk395f9.5 comes from this gene; cDNA EST yk360f12.5 comes from this gene	616	33.793
9643	AF067211	Caenorhabditis elegans contains similarity to 26S protease subunit	194	27.219
9644	L12018	Caenorhabditis elegans putative	375	47.656
9645	AF054180	Homo sapiens hematopoietic cell derived zinc finger protein	573	70.492
9646	U19614	Rattus norvegicus lamina-associated polypeptide 1C	874	66.667
9647	U79260	Homo sapiens unknown	229	56.757
9648	U30883	Homo sapiens SRp55-1	1635	99.213
9649	U97667	Rattus norvegicus RSP29	248	42.045
9650	U64598	Caenorhabditis elegans weakly similar to S. cerevisiae PTM1 precursor (SP:P32857)	285	26.531
9651	X74764	Homo sapiens protein-tyrosine kinase	3799	94.842
9652	AL032643	Caenorhabditis elegans similar to Uncharacterized protein family UPF0034, Double-stranded RNA binding motif; cDNA EST yk489b3.5 comes from this gene; cDNA EST yk439g7.5 comes from this gene	283	50.000
9653	AB018353	Homo sapiens KIAA0810 protein	668	100.000
9654	AF056618	Homo sapiens BWSR2 associated zinc-finger protein BAZ2	273	53.571
9655	AB014593	Homo sapiens KIAA0693 protein	298	60.274
9656	AF073883	Danio rerio myotubularin related protein 2	134	33.871
9657	AF090133	Rattus norvegicus lin-7-A	474	98.684
9658	AF119668	Rattus norvegicus lipolysis-stimulated remnant receptor alpha' subunit	1383	85.897
9659	U37263	Homo sapiens KRAB zinc finger protein; Method: conceptual translation supplied by author	461	49.664
9660	U00017	Mycobacterium leprae pimT; B2126 C1 165	397	34.862
9661	U65092	Homo sapiens melanocyte-specific gene 1	301	91.667

		nuclear protein		
9662	AF041378	Homo sapiens cell death activator CIDE-A	302	54.023
9663	AB017508	Bacillus halodurans truA homologue (identity of 62% to B. subtilis)	206	38.636
9664	L29162	Homo sapiens immunoglobulin light chain variable region	733	93.162
9665	AL096844	Streptomyces coelicolor A3(2) probable 3-oxacyl-(acyl-carrier-protein) reductase	165	36.111
9666	AJ010469	Arabidopsis thaliana RNA helicase	806	42.901
9667	Z14020	Nicotiana tabacum Pistil extensin like protein, partial CDS only	223	44.444
9668	AF044127	Homo sapiens peroxisomal short-chain alcohol dehydrogenase	195	100.000
9669	AL009193	Unknown /prediction=(method:""genefinder"", version:""084"""); /prediction=(method:""genscan"", ve	178	39.286
9670	AC007228	Homo sapiens BC37295 1	407	96.970
9671	Z81109	Unknown predicted using Genefinder; cDNA EST EMBL:D71433 comes from this gene; cDNA EST EMBL:D74134	188	33.981
9672	D16226	Oryctolagus cuniculus one of the members of sodium-glucose cotransporter family	268	83.333
9673	D10631	Mus musculus zinc finger protein	230	44.776
9674	AL049943	Homo sapiens hypothetical protein	180	70.270
9675	AC009465	Arabidopsis thaliana unknown protein	192	50.000
9676	AF140675	Homo sapiens zinc metalloprotease ADAMTS7	371	41.436
9677	AL023781	Schizosaccharomyces pombe N-terminal acetyltransferase 1	237	49.351
9678	AF008554	Rattus norvegicus implantation-associated protein	478	82.955
9679	Z48334	Unknown similar to ribosomal protein L10 (QM protein); cDNA EST EMBL:T00732 comes from this gene; c	719	80.469
9680	X62639	Drosophila melanogaster hrp48.1	675	52.174
9681	AF053356	Homo sapiens nucleoporin	1484	96.087
9682	L00923	Mus musculus myosin I	1299	97.073
9683	M57547	Rattus norvegicus ER alpha-mannosidase	849	85.507
9684	D83776	Homo sapiens The KIAA0191 gene is expressed ubiquitously.; The KIAA0191 protein retains the C2H2 zinc-finger at its N-terminal region.	443	41.143
9685	Z68006	Caenorhabditis elegans K09C8.4	231	21.429
9686	U58728	Caenorhabditis elegans C54H2.1 gene product	239	31.884
9687	AF031903	Mus musculus ADP-ribosylation-like factor homolog ARL6	373	95.238
9688	AL117204	Caenorhabditis elegans Y116A8C.9	249	43.617
9689	AJ005821	Homo sapiens X-like 1 protein	410	79.452
9690	Z66524	Caenorhabditis elegans T13H5.6	150	30.928
9691	Z36715	Homo sapiens Net	420	92.537
9692	Y09501	Homo sapiens NADH-cytochrome-b5 reductase	347	79.730
9693	AL096768	Homo sapiens dJ858B16.2 (novel protein similar to hamster PSSC (Phosphatidylserine Decarboxylase Proenzyme, EC 4.1.1.65)	535	96.386
9694	AF160893	Drosophila melanogaster BcDNA.GM10765	272	45.745
9695	AL110477	Caenorhabditis elegans Y113G7B.24	184	34.211
9696	U94363	Homo sapiens glycogenin-2 beta	297	97.959
9697	U79745	Homo sapiens monocarboxylate transporter homologue MCT6	335	47.872
9698	AC003682	Homo sapiens F18547 1	199	65.217
9699	AB006628	Homo sapiens KIAA0290	1144	57.746

9700	AB011110	Homo sapiens KIAA0538 protein	801	83.448
9701	AB018288	Homo sapiens KIAA0745 protein	1007	65.086
9702	AL031856	Schizosaccharomyces pombe putative DNA repair and recombination protein	241	38.542
9703	Y00978	Homo sapiens PDC-E2 precursor (AA -54 to 561)	129	100.000
9704	AF017433	Homo sapiens putative transcription factor CR53	522	69.159
9705	M64488	Rattus norvegicus synaptotagmin II	967	85.882
9706	AF053368	Mus musculus lysyl oxidase-related protein 2	1035	90.244
9707	X85750	Homo sapiens expression associated with monocyte to macrophage differentiation	450	68.966
9708	AB014566	Homo sapiens KIAA0666 protein	472	63.025
9709	AF126736	Homo sapiens ubiquitin processing protease	353	38.211
9710	U29244	Caenorhabditis elegans No definition line found	379	39.860
9711	X67469	Mus musculus AM2 receptor	409	49.020
9712	AB018293	Homo sapiens KIAA0750 protein	1014	56.877
9713	AF006829	Coturnix coturnix slow myosin heavy chain 2	702	69.231
9714	U23484	Caenorhabditis elegans No definition line found	582	52.201
9715	Y00204	Xenopus laevis nucleoplasmin	468	53.147
9716	AF059569	Homo sapiens actin binding protein MAYVEN	329	67.089
9717	AJ002204	Zea mays polyamine oxidase	228	45.946
9718	U28831	Homo sapiens protein that is immuno-reactive with anti-PTH polyclonal antibodies	613	63.855
9719	AJ242723	Drosophila melanogaster hypothetical protein	209	49.254
9720	AF132480	Mus musculus Ese2 protein	990	94.839
9721	D63877	Homo sapiens KIAA0157 gene product is novel.	708	37.500
9722	U18771	Rattus norvegicus Rab26	215	57.143
9723	X58483	Pseudomonas putida urocanate hydratase	280	34.513
9724	AF067165	Homo sapiens zinc finger protein 3	547	98.765
9725	AL009195	Drosophila melanogaster EG:30B8.1	757	79.412
9726	A26182	Mus musculus beta3-adrenergic receptor	249	30.488
9727	AB018315	Homo sapiens KIAA0772 protein	222	94.444
9728	AL050306	Homo sapiens dJ475B7.1 (novel KIAA0615 and KIAA0323 LIKE protein)	272	75.000
9729	AC007055	Homo sapiens unknown	570	35.593
9730	D86969	Homo sapiens similar to Human zinc-finger protein, BR140(P1:JC2069)	321	49.020
9731	U97006	Caenorhabditis elegans No definition line found	172	67.568
9732	AB025258	Mus musculus granuphilin-a	1425	87.967
9733	AB029016	Homo sapiens KIAA1093 protein	295	40.559
9734	U96174	Onchocerca volvulus OvB8	509	39.908
9735	AF151824	Homo sapiens CGI-66 protein	379	74.157
9736	X80754	Homo sapiens GTP-binding protein	968	100.000
9737	AL009066	Caenorhabditis elegans Similarity with Human adenylate kinase KAD protein (PIR Acc. No. A33508); cDNA EST yk265c3.5 comes from this gene; cDNA EST yk265c3.3 comes from this gene	172	36.709
9738	AB011167	Homo sapiens KIAA0595 protein	270	100.000
9739	AF090326	Mus musculus AE-1 binding protein AEBP2	1535	97.788
9740	AB014558	Homo sapiens KIAA0658 protein	830	100.000
9741	Z84476	Homo sapiens dJ25J6.2 (zinc finger protein)	280	28.877
9742	AB020629	Homo sapiens KIAA0822 protein	355	58.511
9743	Z75550	Unknown limited similarity with some myosins; cDNA EST EMBL:C08402 comes from this gene; cDNA EST E	208	29.333
9744	AC003682	Homo sapiens F18547 1	212	74.419

9745	D10923	Homo sapiens HM74	1065	94.410
9746	U40419	Caenorhabditis elegans No definition line found	962	47.416
9747	U42436	Caenorhabditis elegans C49H3.6 gene product	290	35.616
9748	X78898	Saccharomyces cerevisiae N1342	892	48.252
9749	AF069291	Homo sapiens hT41	505	65.179
9750	L15309	Homo sapiens zinc finger protein	242	87.805
9751	U53421	Sus scrofa betaine-homocysteine methyltransferase	297	82.000
9752	AF173867	Homo sapiens DNA binding protein p79PIF	763	92.481
9753	AF070530	Homo sapiens unknown	160	46.053
9754	Z12017	Caenorhabditis elegans predicted using Genefinder; basic-rich; cDNA EST yk328f6.3 comes from this gene; cDNA EST yk328f6.5 comes from this gene; cDNA EST yk393c3.5 comes from this gene; cDNA EST yk641d11.3 comes from this gene	377	33.453
9755	D87438	Homo sapiens Similar to a C.elegans protein in cosmid C14H10	3322	100.000
9756	AL034364	Caenorhabditis elegans cDNA EST yk255b9.3 comes from this gene; cDNA EST yk255b9.5 comes from this gene; cDNA EST EMBL:M75923 comes from this gene	719	30.582
9757	AF170301	Mus musculus nuclear body associated kinase 1a	702	94.595
9758	AF026565	Mus musculus ring finger protein	170	47.368
9759	Y08134	Homo sapiens acid sphingomyelinase-like phosphodiesterase	1362	100.000
9760	AF056116	Fugu rubripes unknown	252	79.545
9761	M96629	Canis familiaris homologue to sec61	691	96.262
9762	AF125385	Drosophila melanogaster L82B	188	42.667
9763	AL022603	Arabidopsis thaliana hypothetical protein	214	28.426
9764	U19729	Saccharomyces cerevisiae Ylr409cp	183	36.082
9765	AB003930	Homo sapiens rap1GAPII	370	45.985
9766	Z95397	Schizosaccharomyces pombe Thslp	308	26.780
9767	AJ007012	Mus musculus Fish protein	740	78.295
9768	U23037	Oryctolagus cuniculus eIF-2Bepsilon	631	88.679
9769	J05499	Rattus norvegicus L-glutamine amidohydrolase	1770	95.307
9770	L14684	Rattus norvegicus elongation factor G	709	85.606
9771	U00051	Caenorhabditis elegans coded for by C. elegans cDNA yk50b2.5; coded for by C. elegans cDNA CEESV26F; similar to lipases over a short region	192	35.922
9772	D89340	Rattus norvegicus dipeptidyl peptidase III	806	99.187
9773	AB023189	Homo sapiens KIAA0972 protein	332	58.333
9774	AF022789	Homo sapiens ubiquitin hydrolyzing enzyme I	839	91.729
9775	AF139185	Rattus norvegicus myomegalin	269	65.152
9776	AC003682	Homo sapiens F18547 1	206	45.833
9777	D10884	Bos taurus neurocalcin	595	100.000
9778	D63876	Homo sapiens KIAA0154 gene product is related to mouse gamma adaptin.	657	76.923
9779	M15888	Bos taurus endozepine-related protein precursor	489	39.698
9780	AJ011033	Mus musculus KCC2 protein	900	97.761
9781	AF160973	Homo sapiens p53 inducible protein	1474	100.000
9782	Z81547	Caenorhabditis elegans predicted using Genefinder	194	36.036
9783	AJ011855	Homo sapiens PAK4 protein	265	63.333
9784	X87143	Helianthus annuus cytochrome b5 containing fusion protein	173	42.105

9785	AC005328	Homo sapiens R26660 1, partial CDS	623	98.925
9786	U85494	Zea mays LON1 protease	325	27.019
9787	M96625	Gallus gallus cardiac muscle tensin	687	60.326
9788	AF020351	Homo sapiens NADH:ubiquinone oxidoreductase 18 kDa IP subunit	177	90.909
9789	AB002354	Homo sapiens KIAA0356	445	87.500
9790	Z73423	Caenorhabditis elegans cDNA EST EMBL:Z14908 comes from this gene; cDNA EST EMBL:M89403 comes from this gene; cDNA EST EMBL:T00022 comes from this gene	435	46.512
9791	AL032657	Unknown predicted using Genefinder; similar to DnaJ domain ; Thioredoxin; cDNA EST yk433f3.5 come	960	37.945
9792	AB003503	Mus musculus Guanine Nucleotide Regulatory Protein	622	71.053
9793	U51000	Mus musculus DLX-1	1344	99.515
9794	U09367	Homo sapiens zinc finger protein ZNF136	429	69.149
9795	AB004664	Mus musculus Rab33B	859	94.815
9796	Z98601	Schizosaccharomyces pombe zinc finger protein	236	27.778
9797	AB017016	Homo sapiens p25 alpha	213	91.667
9798	X82018	Homo sapiens ZID, zinc finger protein with interaction domain	768	96.032
9799	Z97055	Homo sapiens dJ388M5.3 (Sulfotransferase (sulfokinase, EC 2.8.2.1) like protein)	1395	100.000
9800	AF030131	Mus musculus Plenty of SH3s; POSH	1571	94.017
9801	U35113	Homo sapiens metastasis-associated gene	785	73.446
9802	U25842	Saccharomyces cerevisiae Similar to several members of the Cdc48/Pas1/Sec18 family of proteins (Swiss Prot. accession numbers P25694, P24004, P18759)	165	31.507
9803	AF033566	Mus musculus cdc2/CDC28-like protein kinase 4	686	93.684
9804	AC007193	Homo sapiens Putative homolog of hypoxia inducible factor three alpha	1917	99.653
9805	U60644	Homo sapiens HU-K4	285	39.695
9806	S73488	Rattus sp. zinc finger transcription factor, Kid-1 {KRAB A and B regions}	267	62.500
9807	Z81135	Unknown cDNA EST yk345g1.5 comes from this gene; cDNA EST yk496a3.3 comes from this gene; cDNA EST	156	38.272
9808	U63818	Xenopus laevis RING finger protein	493	31.641
9809	AB002377	Homo sapiens KIAA0379	506	81.633
9810	S71659	Mus sp. LIM-type homeodomain=Gsh-4 {C-terminal}	398	93.651
9811	L15313	Caenorhabditis elegans putative	1088	58.885
9812	AB032904	Hylobates syndactylus dopamine receptor D4	216	31.206
9813	Z82215	Homo sapiens dJ6802.2	2663	100.000
9814	AF180919	Homo sapiens RNA lariat debranching enzyme	2176	100.000
9815	AF155105	Homo sapiens putative zinc finger protein NY-REN-34 antigen	348	38.235
9816	X79510	Homo sapiens protein-tyrosine-phosphatase	485	100.000
9817	AF077000	Rattus norvegicus protein tyrosine phosphatase TD14	879	99.265
9818	AF050182	Mus musculus PERIOD 3	518	63.830
9819	X79828	Mus musculus NK10	368	65.000
9820	AF002714	Homo sapiens centromere protein B; CENP-B	182	31.532
9821	AB011146	Homo sapiens KIAA0574 protein	278	100.000
9822	AF161181	Mus musculus P55T protein	252	97.619
9823	Z83760	Ciona intestinalis COS41.4	324	66.667
9824	X96973	Mus musculus Lasp-1	800	84.127

9825	AC002457	Homo sapiens Rap2 interacting protein; similar to U73941 (PID:gl916018)	819	98.387
9826	AF008915	Homo sapiens EVI-5 homolog	839	77.711
9827	Y18881	Mus musculus midline 2 protein	311	29.064
9828	Z38062	Saccharomyces cerevisiae orf, len: 432, CAI: 0.15 similar to dnaJ proteins	218	47.059
9829	AF053970	Homo sapiens outer dense fiber protein 2/2	260	100.000
9830	Z83123	Caenorhabditis elegans T04A11.2	405	49.275
9831	AF030558	Rattus norvegicus phosphatidylinositol 5-phosphate 4-kinase gamma	1106	95.322
9832	AF084530	Homo sapiens cyclin-D binding Myb-like protein	883	100.000
9833	X99145	Canis familiaris overexpressed in thyroid tissue after TSH stimulation	736	53.646
9834	AB029025	Homo sapiens KIAA1102 protein	464	46.023
9835	M20823	Mus musculus mdm-1	1013	75.000
9836	U41534	Caenorhabditis elegans similar to yeast MAK16 protein (SP:MK16 YEAST,P10962)	644	59.864
9837	AB007869	Homo sapiens KIAA0409	300	68.571
9838	D14076	Rattus norvegicus testicular dynamin	701	99.091
9839	AF109907	Homo sapiens Sl64	1178	100.000
9840	AB014536	Homo sapiens KIAA0636 protein	400	50.794
9841	AL031667	Homo sapiens dJ620E11.1e (novel Helicase C-terminal domain and SNF2 N-terminal domains containing protein, similar to KIAA0308)	913	100.000
9842	U33821	Homo sapiens tax1-binding protein TXBP151	869	33.190
9843	AL080080	Homo sapiens hypothetical protein	1065	100.000
9844	AF168362	Rattus norvegicus protein associating with small stress protein PASS1	1052	79.888
9845	U58280	Mus musculus second largest subunit of RNA polymerase I	832	85.211
9846	AF119569	Homo sapiens patched 2	176	89.286
9847	M35297	Rattus norvegicus G-protein coupled receptor	477	89.333
9848	X83226	Saccharomyces cerevisiae global transcriptional regulator	734	49.057
9849	AB007872	Homo sapiens KIAA0412	175	90.000
9850	D29640	Homo sapiens KIAA0051	548	75.000
9851	AL080125	Homo sapiens hypothetical protein	473	64.103
9852	AF041207	Homo sapiens midline 1 cerebellar isoform 2	190	28.276
9853	AB029334	Halocynthia roretzi HrPET-1	350	42.857
9854	AB011370	Mus musculus Ankhzn	1122	91.237
9855	AL117407	Homo sapiens hypothetical protein	442	47.468
9856	AF125053	Homo sapiens pyruvate dehydrogenase E1 alpha subunit	169	100.000
9857	U97191	Caenorhabditis elegans No definition line found	276	46.316
9858	X71997	Rattus norvegicus myosin I	1848	63.699
9859	AJ012409	Homo sapiens hypothetical protein	211	93.750
9860	AB000776	Rattus norvegicus semaphorin Z	424	87.671
9861	Z27080	Unknown cDNA EST EMBL:D33198 comes from this gene; cDNA EST EMBL:D32867 comes from this gene; cDNA	345	55.422
9862	AF027514	Homo sapiens zinc finger protein	791	99.174
9863	Z78019	Unknown Similarity to Yeast LPG22P protein (TR:G1151240); cDNA EST EMBL:T00686 comes from this gene	1006	75.258
9864	AF051155	Rattus norvegicus G beta-like protein GBL	1358	80.934
9865	L28174	Acanthamoeba castellanii disulfide-like protein	349	45.794
9866	AL096857	Homo sapiens hypothetical protein	1028	98.101

9867	Z98531	Schizosaccharomyces pombe hypothetical protein	184	38.158
9868	Z92669	Mycobacterium tuberculosis hypothetical protein Rv0235c	166	31.858
9869	U96781	Homo sapiens Ca2+ ATPase of fast-twitch skeletal muscle sarcoplasmic reticulum, neonatal isoform	1370	99.539
9870	L13687	Homo sapiens ADP-ribosylation factor-like protein 2	390	37.838
9871	U26358	Rattus norvegicus S100A1 gene product	167	36.585
9872	AB026190	Homo sapiens Kelch motif containing protein	1392	43.254
9873	AB000199	Rattus norvegicus CCA2 protein	306	82.143
9874	AC003682	Homo sapiens F18547 1	223	74.419
9875	Z69902	Unknown predicted using Genefinder; cDNA EST EMBL:D27579 comes from this gene; cDNA EST EMBL:D64778	595	32.419
9876	AB011527	Rattus norvegicus MEGF1	353	69.620
9877	U69262	Mus musculus matrilin-2 precursor	276	73.016
9878	AF168418	Homo sapiens activating signal cointegrator 1	221	97.059
9879	U40342	Mus musculus ninein	2234	89.390
9880	AF016430	Caenorhabditis elegans contains similarity to a BR-C/TTK domain	184	37.647
9881	AL031685	Homo sapiens dJ963K23.2 (novel protein)	276	41.304
9882	AF073879	Mus musculus myotubularin homologous protein 1	382	87.302
9883	L14745	Caenorhabditis elegans homology with glucose induced repressor, GRR1; putative	328	29.944
9884	AF036705	Unknown Similar to phytoene desaturase; coded for by C. elegans cDNA CEESX74F; coded for by C. el	664	50.971
9885	AC004890	Homo sapiens similar to zinc finger proteins; similar to BAA24380	514	84.375
9886	AJ243591	Xenopus laevis hnRNP-E2 protein	694	83.594
9887	Z19153	Unknown similar to Sodium/phosphate transporter; cDNA EST EMBL:D67894 comes from this gene; cDNA ES	710	43.882
9888	AL022157	Homo sapiens SPIN (SPINDLIN HOMOLOG (PROTEIN DXF34))	274	72.000
9889	U29096	Caenorhabditis elegans coded for by C. elegans cDNA yk44f2.5; similar to P59 protein (HSP binding immunophilin) and to TPR domain	354	39.548
9890	AF016452	Caenorhabditis elegans similar to 1-acyl-glycerol-3-phosphate acyltransferases	327	44.792
9891	AC004557	Arabidopsis thaliana F17L21.21	523	39.768
9892	AF003136	Caenorhabditis elegans F28B3.4	184	42.353
9893	X52022	Homo sapiens collagen type VI, alpha 3 chain	244	74.510
9894	L20303	Gallus gallus actin filament-associated protein	666	45.387
9895	D80009	Homo sapiens KIAA0187	338	88.333
9896	Z46242	Unknown similar to beta-transducin; cDNA EST EMBL:Z14703 comes from this gene; cDNA EST EMBL:D67532	869	50.871
9897	AB012725	Mus musculus zinc finger protein	483	91.429
9898	AJ001693	Drosophila melanogaster PRUNE protein	502	36.071
9899	AJ235271	Rickettsia prowazekii PUTATIVE ENOYL-REDUCTASE (fabI)	419	46.825
9900	D79983	Homo sapiens There is a C3HC4 zinc-finger in the C-terminal region.	381	54.348
9901	U95044	Homo sapiens zinc finger protein	396	86.301
9902	D90899	Synechocystis sp. hypothetical protein	251	34.884
9903	AB016496	Mus musculus intelectin	791	76.510

9904	X03342	Homo sapiens rpL32 (aa 1-135)	172	84.375
9905	AF022891	Drosophila melanogaster Fuzzy	165	36.000
9906	AL096751	Homo sapiens hypothetical protein	1004	100.000
9907	AF156271	Homo sapiens RING finger protein terf	196	77.419
9908	AB014561	Homo sapiens KIAA0661 protein	462	65.766
9909	AF059569	Homo sapiens actin binding protein MAYVEN	253	46.667
9910	AF019082	Borrelia burgdorferi virulent strain associated lipoprotein	249	26.506
9911	AF058693	Mus musculus M-RdgB2 retinal degeneration protein B subtype 2	435	94.118
9912	U95044	Homo sapiens zinc finger protein	675	69.677
9913	U60666	Homo sapiens testis specific leucine rich repeat protein	225	33.155
9914	AB018374	Mus musculus GARP45	647	51.915
9915	Z68014	Caenorhabditis elegans Similarity to Human DRA protein (SW:DRA HUMAN)	291	43.333
9916	Z82095	Caenorhabditis elegans similar to PDZ domain (Also known as DHR or GLGF).; cDNA EST EMBL:M75803 comes from this gene	413	53.390
9917	AL022238	Homo sapiens dJ1042K10.3 (novel protein)	221	41.414
9918	AC005328	Homo sapiens R26660 1, partial CDS	169	72.222
9919	AC007369	Arabidopsis thaliana Putative RNA helicase	315	41.667
9920	X14549	Chlamydomonas reinhardtii spoke protein	428	46.207
9921	AF117610	Mus musculus inner centromere protein INCENP	570	79.798
9922	AF151835	Homo sapiens CGI-78 protein	248	100.000
9923	L14745	Caenorhabditis elegans coded for by C. elegans cDNA GenBank:CEL16D4 (M89109); putative	278	30.808
9924	AB007865	Homo sapiens KIAA0405	266	53.731
9925	X90840	Homo sapiens axonal transporter of synaptic vesicles	2660	100.000
9926	AF175969	Rattus norvegicus Lemna coiled-coil protein	371	39.181
9927	U80747	Homo sapiens CAGH3	188	34.375
9928	S62597	Drosophila melanogaster, Peptide, 753 aa neu=neuralized	186	23.757
9929	U63131	Homo sapiens CDC37 homolog	181	37.079
9930	Y09723	Homo sapiens Miz-1 protein	838	31.299
9931	D86728	Mus musculus TIS	219	86.842
9932	X67683	Homo sapiens keratin K4a	824	100.000
9933	AC007136	Homo sapiens Putative map kinase interacting kinase	2718	100.000
9934	Z79755	Caenorhabditis elegans predicted using Genefinder	186	54.902
9935	AC002131	Arabidopsis thaliana Contains similarity to hypothetical protein C18b11.05 gb Z50728 from S. pombe. EST gb H76601 comes from this gene.	367	31.696
9936	U00050	Caenorhabditis elegans No definition line found	377	35.979
9937	AL021918	Homo sapiens b34I8.1 (Kruppel related Zinc Finger protein 184)	377	38.806
9938	AB005541	Rattus rattus PCTAIRE3	341	67.416
9939	U63648	Mus musculus p160 myb-binding protein	651	73.913
9940	Z78201	Unknown Similarity to E.coli 2-oxoglutarate dehydrogenase (SW:ODO1_ECOLI); cDNA EST EMBL:D32590 com	226	29.878
9941	AF010144	Homo sapiens neuronal thread protein AD7c-NTP	67	75.000
9942	AC007067	Arabidopsis thaliana T10024.10	364	61.905
9943	U41663	Rattus norvegicus neuroligin 3	968	96.479
9944	X91617	Mus musculus 5'-3' exonuclease	745	100.000
9945	AF167411	Mus musculus pendrin	347	56.627

9946	U80953	Caenorhabditis elegans weakly similar in serine repeat region to rat thyroxine-binding globulin (PIR:A39567) and to D. melanogaster ecdysone-inducible protein E75-C (SP:E75C DROME, P13055)	163	37.805
9947	AC007633	Unknown similarity to several hypothetical proteins- Arabidopsis thaliana	226	61.818
9948	U35245	Rattus norvegicus vacuolar protein sorting homolog r-vps33b	431	98.507
9949	M94315	Oryctolagus cuniculus neurofilament-H	226	24.528
9950	AF096896	Drosophila melanogaster pushover	197	24.291
9951	Z68117	Caenorhabditis elegans similar to Probable rabGAP domains; cDNA EST yk325d7.3 comes from this gene; cDNA EST yk325d7.5 comes from this gene	280	37.705
9952	AC007018	Arabidopsis thaliana unknown protein	308	33.163
9953	U29156	Mus musculus involved in signaling by the epidermal growth factor receptor; Method: conceptual translation supplied by author	1222	92.857
9954	M95762	Rattus norvegicus GABA transporter	1153	89.730
9955	U09284	Homo sapiens PINCH protein	1648	85.020
9956	AB007872	Homo sapiens KIAA0412	320	73.913
9957	U95825	Homo sapiens androgen-induced prostate proliferative shutoff associated protein	704	83.607
9958	U68535	Mus musculus aldo-keto reductase	1175	68.110
9959	AF003151	Caenorhabditis elegans No definition line found	241	25.987
9960	AF060173	Rattus norvegicus SV2 related protein	745	96.522
9961	AF004841	Homo sapiens CDO	243	41.489
9962	U66561	Homo sapiens kruppel-related zinc finger protein	273	56.338
9963	U09367	Homo sapiens zinc finger protein ZNF136	199	72.093
9964	U34925	Drosophila melanogaster TH1	665	62.025
9965	U32626	Drosophila melanogaster unknown	317	57.333
9966	L08239	Homo sapiens located at OATL1	179	100.000
9967	M61866	Homo sapiens Krueppel-related DNA-binding protein	226	60.377
9968	AB007144	Homo sapiens ZIP-kinase	222	33.884
9969	U75321	Mus musculus chromaffin granule ATPase II homolog	487	65.574
9970	AF036706	Caenorhabditis elegans strong similarity to class-I aminoacyl-tRNA synthetases; most similar to glutamyl-tRNA synthetases	558	50.000
9971	X82018	Homo sapiens ZID, zinc finger protein with interaction domain	540	63.415
9972	X97324	Homo sapiens adipophilin	312	44.340
9973	AF080070	Mus musculus zinc finger protein 54	240	48.052
9974	AF169548	Homo sapiens gamma-synergin	1069	100.000
9975	AF056302	Drosophila melanogaster eIF-2alpha kinase	454	39.891
9976	AC003114	Arabidopsis thaliana T12M4.6	143	39.759
9977	Z78198	Caenorhabditis elegans Similarity to E.coli glycerophosphoryldiester phosphodiesterase (SW:UGPQ ECOLI)	203	46.154
9978	AF098505	Caenorhabditis elegans similar to Arabidopsis thaliana male sterility protein 2 (SW:Q08891)	498	44.578
9979	D31763	Homo sapiens ha0946 protein is Kruppel-related.	383	55.660
9980	AC007591	Unknown Strong similarity to	221	41.667
9981	Z48758	Saccharomyces cerevisiae unknown	404	46.043

9982	U29187	Mus musculus prion-like protein	716	76.471
9983	AB013607	Mus musculus c29	528	70.833
9984	X63337	Homo sapiens high sulfur keratin	839	77.397
9985	U09824	Rattus norvegicus 30 kDa S-type lectin	328	42.857
9986	AJ006692	Homo sapiens ultra high sulfur keratin	732	76.068
9987	U43292	Homo sapiens MDS1B	384	65.000
9988	AL117204	Caenorhabditis elegans Y116A8C.9	593	40.773
9989	X55126	Mus musculus Zfp-29	354	84.375
9990	AF153208	Homo sapiens GC-rich sequence DNA-binding factor candidate	719	100.000
9991	AL023781	Schizosaccharomyces pombe N-terminal acetyltransferase 1	522	52.564
9992	U59240	Rattus norvegicus N-tropomodulin	267	50.000
9993	AF070651	Homo sapiens zinc finger protein 4	835	74.847
9994	AP000399	Oryza sativa EST AU056133(S20320) corresponds to a region of the predicted gene; similar to Caenorhabditis elegans cosmid D1054; hypothetical protein (Z74030)	486	43.478
9995	U21549	Mus musculus Ac39/physophilin	379	69.620
9996	AL022318	Homo sapiens bK150C2.7 (PUTATIVE novel protein similar to APOBEC1 (Apolipoprotein B mRNA editing protein) and Phorbolin)	1280	100.000
9997	AJ242977	Homo sapiens p243	371	100.000
9998	Y10495	Mus musculus CDV-1R protein	1736	92.384
9999	Z93394	Caenorhabditis elegans similar to Probable rabGAP domains	829	50.211
10000	U97571	Mus musculus signaling molecule	892	90.714
10001	AL021068	Homo sapiens dJ206D15.1 (Reduced Folate Carrier protein RFC LIKE)	764	64.458
10002	AF056116	Fugu rubripes All-1 related protein	427	35.156
10003	AP000059	Aeropyrum pernix 115aa long hypothetical protein	54	29.787
10004	X51760	Homo sapiens zinc finger protein (583 AA)	345	80.952
10005	AB020710	Homo sapiens KIAA0903 protein	602	67.717
10006	AB025259	Mus musculus granuphilin-b	256	30.769
10007	AJ011855	Homo sapiens PAK4 protein	391	72.000
10008	U06944	Mus musculus PRAJA1	262	66.102
10009	AF186469	Rattus norvegicus TM6P1	288	29.605
10010	D45913	Mus musculus leucine-rich-repeat protein	299	83.019
10011	AL117203	Caenorhabditis elegans predicted using Genefinder; preliminary prediction	171	33.036
10012	AB020678	Homo sapiens KIAA0871 protein	759	77.397
10013	AF017368	Mus musculus faciogenital dysplasia protein 2	315	57.732
10014	U13878	Mus musculus neural-restrictive silencer factor	361	34.615
10015	S73488	Rattus sp. zinc finger transcription factor, Kid-1 (KRAB A and B regions)	173	57.447
10016	AF099011	Homo sapiens EH-domain containing protein testilin	396	62.921
10017	D61689	Mus musculus SOX-LZ	1050	96.933
10018	AF070651	Homo sapiens zinc finger protein 4	423	82.432
10019	D63478	Homo sapiens The KIAA0144 gene product is novel.	600	58.282
10020	U40802	Caenorhabditis elegans similar to other protein phosphatases 1, 2A and 2B	420	35.407
10021	AC004472	Homo sapiens P1.11659 5	223	35.593
10022	AF051944	Gallus gallus Xin	298	33.645
10023	AF007170	Homo sapiens unknown	177	44.262
10024	AC004997	Unknown match to ESTs AA667999 (NID:q2626700),	532	55.833

		AA165465 (NID:g1741481), Z45871 (NID:g575105), and		
10025	Z25535	Homo sapiens nuclear pore complex protein hnup153	273	100.000
10026	U43503	Saccharomyces cerevisiae Lph2p	198	45.455
10027	D86043	Homo sapiens SHPS-1	337	43.704
10028	AB011093	Homo sapiens KIAA0521 protein	1394	97.309
10029	D17577	Mus musculus Kif1b	1152	97.159
10030	U89264	Drosophila melanogaster kinesin like protein 67a	642	47.926
10031	D14663	Homo sapiens KIAA0107	305	94.118
10032	AF132856	Homo sapiens suppressor of G2 allele of skp1 homolog	183	90.625
10033	AB023189	Homo sapiens KIAA0972 protein	331	62.025
10034	AF031939	Mus musculus RalBP1-associated EH domain protein Reps1	1647	92.636
10035	AL117600	Homo sapiens hypothetical protein	326	67.123
10036	AL031788	Schizosaccharomyces pombe conserved hypothetical protein.	429	51.079
10037	AL031276	Homo sapiens dJ1118D24.1d (part of novel protein similar to worm proteins T08G11.1 and C25H3.9)	586	98.901
10038	D42063	Homo sapiens RanBP2 (Ran-binding protein 2)	825	86.014
10039	AJ011306	Homo sapiens guanine nucleotide exchange factor (long isoform)	317	100.000
10040	AF047010	Drosophila melanogaster asteroid protein	196	40.244
10041	Z54096	Schizosaccharomyces pombe hypothetical protein	328	52.294
10042	X89571	Mus musculus human homolog is GPI-anchored protein	436	52.713
10043	AC010077	Homo sapiens MTDM HUMAN ; DNA METHYLTRANSFERASE; DNA METASE; MCMT; M.HSAI	249	77.358
10044	D86971	Homo sapiens no similarities to reported gene products	967	49.684
10045	AF099973	Mus musculus schlafen2	258	36.111
10046	X78077	Equus caballus link protein	214	36.250
10047	U80448	Unknown coded for by C. elegans cDNA CEES55F; coded for by C. elegans cDNA yk84a1.3; coded for by	185	54.000
10048	U39703	Mycoplasma genitalium DNA helicase II, putative	183	25.087
10049	AF100657	Caenorhabditis elegans Contains similarity to Pfam domain: PF00614 (PLDc), Score=13.8, E-value=0.2, N=1	481	33.660
10050	AC007259	Arabidopsis thaliana Hypothetical protein	189	31.915
10051	AF099973	Mus musculus schlafen2	338	37.267
10052	U41559	Caenorhabditis elegans No definition line found	300	38.095
10053	AB018341	Homo sapiens KIAA0798 protein	423	70.787
10054	S44213	Saccharomyces cerevisiae, Peptide, 323 aa YKL522=mitochondrial ADP/ATP carrier protein homolog	211	35.294
10055	AF111423	Xenopus laevis chromosome condensation protein XCAP-G	719	64.162
10056	AJ242978	Homo sapiens p621	1835	100.000
10057	AL023777	Schizosaccharomyces pombe hypothetical protein	428	32.464
10058	AB018285	Homo sapiens KIAA0742 protein	166	40.000
10059	AC006528	Arabidopsis thaliana putative DNA replication licensing factor with an MCM family domain (prosite:PDOC00662)	228	29.612

10060	AF077818	Mus musculus syntrophin-associated serine-threonine protein kinase	205	62.000
10061	U15173	Homo sapiens BCL2/adenovirus E1B 19kD-interacting protein 2	449	40.722
10062	AC002328	Arabidopsis thaliana F20N2.6	53	50.000
10063	Z98974	Schizosaccharomyces pombe hypothetical PSU1-like protein	323	45.918
10064	AB018413	Homo sapiens Gab2	551	58.462
10065	AF151816	Homo sapiens CGI-58 protein	289	100.000
10066	AF099973	Mus musculus schlafen2	204	40.187
10067	Y12090	Lycopersicon esculentum putative 3,4-dihydroxy-2-butanone kinase	1197	41.199
10068	U49046	Mus musculus Zfp64	1594	89.494
10069	L39211	Homo sapiens carnitine palmitoyltransferase I	252	58.730
10070	AB000199	Rattus norvegicus CCA2 protein	554	84.848
10071	AC007228	Homo sapiens BC37295 1	252	65.000
10072	AF060246	Mus musculus zinc finger protein 106	264	97.436
10073	X81058	Mus musculus tex261	1140	99.422
10074	AB020675	Homo sapiens KIAA0868 protein	439	46.715
10075	AJ011928	Drosophila melanogaster Fidiipidine	586	52.174
10076	X98834	Homo sapiens zinc finger protein Hsa12	706	100.000
10077	AF151363	Mus musculus Cdc42 GTPase-activating protein	499	69.608
10078	AF149413	Arabidopsis thaliana contains similarity to histone deacetylases; Pfam PF00850, Score=13.3, E=5e-10, N=1	641	53.093
10079	AC007842	Homo sapiens BC331191 1	834	51.711
10080	AB002334	Homo sapiens KIAA0336	213	97.143
10081	S76838	Mus sp. Dbs=Dbl guanine nucleotide exchange factor homolog	287	59.420
10082	AB015306	Homo sapiens Leukotriene B4 omega-hydroxylase	750	81.818
10083	AB029000	Homo sapiens KIAA1077 protein	329	88.679
10084	AC002528	Homo sapiens Genscan gene prediction; 90% similarity to AA023673 (NID:gl487590)	765	99.099
10085	X54618	Listeria monocytogenes phosphatidylinositol specific phospholipase C	197	28.571
10086	X57303	Homo sapiens REC1L	398	63.043
10087	AB023178	Homo sapiens KIAA0961 protein	331	68.421
10088	AF061243	Homo sapiens metalloprotease 1	1936	98.913
10089	AF038563	Homo sapiens membrane associated guanylate kinase 2	665	100.000
10090	AJ010017	Homo sapiens zinc finger protein	200	44.615
10091	AF067806	Mus musculus cAMP-specific cyclic nucleotide phosphodiesterase PDE8; MMPDE8	300	54.167
10092	U44731	Mus musculus purine nucleotide binding protein	2293	74.730
10093	Z70269	Unknown predicted using Genefinder; Similarity to Yeast hypothetical protein YHG1 (SW:YHG1 YEAST);	167	54.348
10094	AB014516	Homo sapiens KIAA0616 protein	235	45.669
10095	AB018293	Homo sapiens KIAA0750 protein	487	66.038
10096	D90400	Human papillomavirus type 58 open reading frame E5	71	44.444
10097	AB011128	Homo sapiens KIAA0556 protein	325	100.000
10098	X89426	Homo sapiens ESM-1 secretory protein	197	33.588
10099	Z48334	Caenorhabditis elegans F10B5.8	787	76.471
10100	X14971	Mus musculus alpha-adaptin (A) (AA 1-977)	688	100.000
10101	U81788	Drosophila melanogaster kinesin-73	402	50.400
10102	L12579	Homo sapiens alternatively spliced	380	88.406
10103	U22296	Rattus norvegicus casein kinase 1 gamma 1 isoform	408	60.177

10104	M22743	Oryctolagus cuniculus lambda-crystallin precursor	202	81.081
10105	U44129	Rattus norvegicus p58	479	46.154
10106	Z92813	Unknown similar to WD domain, G-beta repeat (3 domains); cDNA EST EMBL:D69452 comes from this gene;	213	34.579
10107	AF031370	Rattus norvegicus PLC-b4b	1014	95.425
10108	Z35639	Caenorhabditis elegans similar to TNF-alpha induced Protein B12; cDNA EST yk579c8.3 comes from this gene	224	45.055
10109	AF175292	Mus musculus neuronal IL-16	393	84.286
10110	AB012099	Pyrococcus kodakaraensis Glycerol Kinase	223	36.047
10111	AB023658	Rattus norvegicus Ca/calmodulin-dependent protein kinase kinase alpha, CaM-kinase kinase alpha	1070	89.205
10112	L06940	Escherichia coli tetracycline resistance protein	296	32.515
10113	U75329	Homo sapiens serine protease	173	41.026
10114	L22557	Rattus norvegicus calmodulin-binding protein	673	99.010
10115	AL035528	Arabidopsis thaliana hypothetical protein	207	55.738
10116	M15888	Bos taurus endozepine-related protein precursor	1198	86.829
10117	AF079974	Mus musculus Rac GTPase-activating protein	588	77.778
10118	Z72511	Unknown possible zinc finger protein; cDNA EST EMBL:M89115 comes from this gene; cDNA EST EMBL:D715	1343	57.576
10119	M83679	Rattus norvegicus RAB15	552	82.524
10120	AF023450	Homo sapiens Down syndrome cell adhesion molecule	518	60.000
10121	U80955	Caenorhabditis elegans contains a domain found in band 4.1, ezrin, moesin, radixin and talin	335	45.192
10122	U15002	Rattus norvegicus COUP-TFI	271	74.000
10123	L40378	Homo sapiens cytoplasmic antiproteinase 3	354	100.000
10124	AL121764	Schizosaccharomyces pombe putative ATP-dependent RNA helicase	491	60.000
10125	AC003682	Homo sapiens F18547 1	210	67.391
10126	M58583	Homo sapiens precerebellin	234	48.485
10127	AF055017	Homo sapiens unknown	398	32.917
10128	AL050284	Homo sapiens hypothetical protein	216	70.213
10129	AF078828	Homo sapiens talin	652	72.180
10130	U58746	Caenorhabditis elegans weak similarity to regions of guanine-nucleotide releasing factors	168	48.980
10131	Z81521	Unknown predicted using Genefinder; cDNA EST EMBL:C09934 comes from this gene; cDNA EST EMBL:C08308	259	32.877
10132	AJ010585	Rattus rattus PTB-like protein	753	97.581
10133	Z68297	Unknown cDNA EST EMBL:D32434 comes from this gene; cDNA EST EMBL:D33710 comes from this gene; cDNA	335	37.415
10134	D89928	Homo sapiens HKL1	647	86.555
10135	L16559	Caenorhabditis elegans putative	224	33.793
10136	AB009372	Rattus norvegicus Lysophospholipase	1408	86.585
10137	AL035496	Homo sapiens dJ437022.1 (novel VHS domain containing protein similar to predicted worm and human proteins)	200	96.552
10138	AF187318	Homo sapiens F-box protein Fbx2	229	43.243
10139	Z83760	Ciona intestinalis COS41.5	248	32.283
10140	U81788	Drosophila melanogaster kinesin-73	927	66.351

10141	AB024400	Rattus norvegicus LAT4	1006	64.103
10142	U23522	Caenorhabditis elegans No definition line found	180	32.061
10143	AJ243460	Leishmania major proteophosphoglycan	173	21.577
10144	Y08774	Silene latifolia Men-2	115	37.097
10145	Z71262	Unknown similar to serine/threonine kinase; cDNA EST EMBL:D27596 comes from this gene; cDNA EST EMB	161	29.032
10146	AB010363	Mus musculus mszf51	164	37.500
10147	AF000196	Caenorhabditis elegans No definition line found	160	30.556
10148	AC005306	Homo sapiens R27216 1	423	98.507
10149	X98709	Homo sapiens COL1A1 and PDGFB fusion transcript	146	31.068
10150	AF099053	Mus musculus phosphatidylserine synthase-2	2504	89.776
10151	U02928	Dictyostelium discoideum Rab7	362	36.207
10152	X98475	Mus musculus vasodilator-stimulated phosphoprotein	164	29.412
10153	AL080200	Homo sapiens hypothetical protein	138	37.113
10154	AB002374	Homo sapiens KIAA0376	712	36.215
10155	L04733	Homo sapiens kinesin light chain	504	53.521
10156	AL023592	Schizosaccharomyces pombe zinc finger protein	295	45.055
10157	L07063	Mus musculus FKBP65 binding protein	819	87.234
10158	X82200	Homo sapiens gpStaf50	907	62.679
10159	AF106682	Homo sapiens spindlin	256	68.421
10160	AF125385	Drosophila melanogaster L82B	173	44.444
10161	Y17282	Homo sapiens cytokeratin type II	818	59.244
10162	AB029023	Homo sapiens KIAA1100 protein	784	50.000
10163	Y17282	Homo sapiens cytokeratin type II	294	43.972
10164	AF173681	Mus musculus thioredoxin interacting factor	348	38.372
10165	AF125963	Caenorhabditis elegans No definition line found	159	25.743
10166	X78925	Homo sapiens zinc finger protein	162	60.870
10167	AF013969	Mus musculus antigen containing epitope to monoclonal antibody MMS-85/12	773	66.667
10168	AB017437	Gallus gallus avena	1096	93.143
10169	X75760	Drosophila melanogaster LRR47	485	29.443
10170	AJ007014	Homo sapiens AMMECR1 protein	1134	55.000
10171	J04802	Homo sapiens open reading frame A	161	96.154
10172	AF057170	Homo sapiens bestrophin	401	70.370
10173	U70855	Caenorhabditis elegans similar to the RAS gene family	382	48.305
10174	AB025410	Mus musculus Ten-m1	835	93.893
10175	AF091434	Homo sapiens secretory growth factor-like protein fallotein	184	49.180
10176	U95044	Homo sapiens zinc finger protein	525	76.786
10177	M20681	Homo sapiens glucose transporter-like protein	201	83.784
10178	AF067165	Homo sapiens zinc finger protein 3	240	55.072
10179	D88026	Mus musculus DhM2 protein	385	82.090
10180	AL035419	Homo sapiens dJ1100H13.1 (putative novel protein)	252	100.000
10181	X97064	Homo sapiens Sec23 protein	2794	100.000
10182	X79828	Mus musculus NK10	531	90.588
10183	AC002332	Arabidopsis thaliana putative NAD(P)-dependent cholesterol dehydrogenase	245	40.336
10184	Z48166	Schizosaccharomyces pombe gar2	176	28.175
10185	Z81525	Unknown cDNA EST yk282b7.5 comes from this gene; cDNA EST EMBL:D28011 comes from this gene; cDNA ES	512	39.640

10186	AL110487	Caenorhabditis elegans Y39E4B.7	491	47.794
10187	AB018341	Homo sapiens KIAA0798 protein	396	74.074
10188	L42178	Ovis aries carbonic anhydrase I	620	64.615
10189	L11275	Saccharomyces cerevisiae selected as a weak suppressor of a mutant of the subunit AC40 of DNA dependant RNA polymerase I and III	191	24.876
10190	AB018260	Homo sapiens KIAA0717 protein	260	94.595
10191	AF118767	Homo sapiens endothelial lipase	2456	99.446
10192	AF096771	Homo sapiens kinase related protein	200	26.596
10193	U47920	Pseudomonas aeruginosa dihydrolipoamide acetyltransferase	444	72.917
10194	U18009	Homo sapiens similar to Pacific ray VAT1 protein, Swiss-Prot Accession Number P19333	422	49.618
10195	AL035086	Homo sapiens dJ44A20.3 (novel protein similar to worm F32F2.1)	369	55.455
10196	L01089	Homo sapiens profilaggrin	447	38.095
10197	AL035702	Homo sapiens dJ593C16.1 (ras GTPase activating protein)	2171	73.131
10198	X92969	Mus musculus odorant receptor	360	52.525
10199	AF062249	Homo sapiens immunoglobulin heavy chain variable region	699	85.593
10200	AF125569	Homo sapiens tumor suppressing STF cDNA 6	718	83.333
10201	Z99118	Bacillus subtilis similar to hypothetical proteins	159	32.143
10202	AB020654	Homo sapiens KIAA0847 protein	2158	98.795
10203	Y18102	Oryctolagus cuniculus titin	436	95.652
10204	D90706	Escherichia coli PhoH protein homolog.	1451	100.000
10205	D90708	Escherichia coli Putrescine transport protein.	704	100.000
10206	D90717	Escherichia coli Hypothetical 38.9 kd protein in ding/rarB 3'region (o361).	515	100.000
10207	X56958	Homo sapiens ankyrin (brank-2)	179	96.429
10208	D90730	Escherichia coli Hypothetical protein 63 (MukB 3' region)	655	98.058
10209	X55683	Lycopersicon esculentum extensin (class I)	122	59.259
10210	Z70683	Unknown Weak similarity to Human tyrosine-protein kinase CSK (SW:CSK_HUMAN); cDNA EST EMBL:C10908 c	291	41.284
10211	AE001373	Plasmodium falciparum predicted secreted protein	383	25.198
10212	U28377	Escherichia coli ORF f141	792	96.825
10213	D90754	Escherichia coli Hypothetical protein HI0761	995	98.000
10214	AF109134	Homo sapiens 7-60	681	40.152
10215	M13934	Homo sapiens ribosomal protein S14	885	99.265
10216	AF055666	Mus musculus kinesin light chain 2	524	88.542
10217	X70032	Mus musculus nebulin	423	42.143
10218	D42167	Ciona intestinalis myoplasmin-C1	246	28.477
10219	AF034580	Mus musculus TSG118.1	811	54.426
10220	AF128535	Mus musculus cytoplasmic phosphoprotein PACSIN2	1389	56.891
10221	AF084928	Homo sapiens erythroblast macrophage protein EMP	811	98.450
10222	AL050321	Homo sapiens dJ717M23.1 (novel gene)	576	98.864
10223	AF113615	Homo sapiens FH1/FH2 domain-containing protein FHOS	833	62.189
10224	Z49967	Unknown cDNA EST EMBL:T00743 comes from this gene; cDNA EST EMBL:D69356 comes from this gene; cDNA	173	34.694
10225	AB025412	Mus musculus Ten-m3	1096	96.471
10226	X99145	Canis familiaris overexpressed in thyroid	184	48.980

		tissue after TSH stimulation		
10227	AF037454	Mus musculus ubiquitin protein ligase	447	98.551
10228	Z21878	Physarum polycephalum myosin-related protein	453	43.085
10229	X70208	Homo sapiens immunoglobulin M chain	631	90.291
10230	AB018285	Homo sapiens KIAA0742 protein	258	31.667
10231	X82157	Homo sapiens hevin	466	98.684
10232	D90832	Escherichia coli ORF ID:o341#12; similar to	234	100.000
10233	AE000186	Escherichia coli orf, hypothetical protein	1155	100.000
10234	X73413	Escherichia coli ORF2	247	95.000
10235	D90743	Escherichia coli Rod protein FlgC	550	96.667
10236	D90703	Escherichia coli Lipolic acid synthetase (lip-syn).	480	100.000
10237	X01563	Escherichia coli L5 (rplE) (aa 1-179)	779	100.000
10238	U28377	Escherichia coli ORF o492	762	95.935
10239	U00039	Escherichia coli treF	1305	99.468
10240	D90872	Escherichia coli similar to	545	100.000
10241	AJ001614	Escherichia coli catabolite gene activator protein	228	96.970
10242	U14003	Escherichia coli ORF o243	436	100.000
10243	X05173	Escherichia coli NR(II) (glnL gene product) (AA 1-349)	570	89.423
10244	AE000336	Escherichia coli orf, hypothetical protein	852	100.000
10245	AE000396	Escherichia coli orf, hypothetical protein	858	98.571
10246	U28377	Escherichia coli ORF o179	611	97.872
10247	D90769	Escherichia coli Sn-glycerol-3-phosphate transport system permease protein UgpA.	416	100.000
10248	D90699	Escherichia coli Hypothetical 16.8 kd protein in nfrA 3' region precursor.	520	100.000
10249	AE000406	Escherichia coli orf, hypothetical protein	469	95.588
10250	U00006	Escherichia coli No definition line found	502	85.542
10251	AE000458	Escherichia coli putative enzyme	378	90.323
10252	D90809	Escherichia coli Superoxide dismutase (EC 1.15.1.1) (Fe)	566	100.000
10253	AE000396	Escherichia coli orf, hypothetical protein	426	100.000
10254	X15996	Escherichia coli narX	165	100.000
10255	X12614	Escherichia coli uroporphyrinogen III cosynthetase (AA 1 - 246)	1188	100.000
10256	AE000402	Escherichia coli orf, hypothetical protein	576	100.000
10257	X04711	Escherichia coli put. 16S rRNA methyltransferase (ksgA) (AA 1-273)	451	100.000
10258	U00007	Escherichia coli yehW	434	100.000
10259	D90740	Escherichia coli ORF ID:o231#4	321	98.000
10260	U29579	Escherichia coli alternate name ygbC; ORF1 of L07942, has different start due to frameshift in L07942; ORF f255	1112	98.837
10261	X14436	Escherichia coli ORF4 (AA 1-197)	1119	99.465
10262	AE000334	Escherichia coli orf, hypothetical protein	748	99.091
10263	D90756	Escherichia coli Protoporphyrinogen oxidase (EC 1.3.3.4) hemK	638	98.958
10264	AE000242	Escherichia coli orf, hypothetical protein	563	92.784
10265	U29579	Escherichia coli ORF o433	591	95.699
10266	U82664	Escherichia coli hypothetical protein	927	100.000
10267	AE000142	Escherichia coli putative esterase (EC 3.1.1.1)	634	100.000
10268	AF009205	Homo sapiens unknown	163	96.429
10269	D90872	Escherichia coli similar to	1280	98.020
10270	AL032654	Caenorhabditis elegans similar to Heme-binding domain in cytochrome b5 and oxidoreductases	386	52.830
10271	AB019280	Mus musculus sprouty-4	453	83.750

10272	U40953	Caenorhabditis elegans No definition line found	437	32.365
10273	AB002349	Homo sapiens KIAA0351	347	63.529
10274	AF043695	Caenorhabditis elegans similar to zinc metalloprotease family of peptidases	168	37.363
10275	L47274	Encephalitozoon intestinalis beta-tubulin	351	39.333
10276	S66427	Homo sapiens retinoblastoma binding protein 1, RBP1	812	82.759
10277	AB011166	Homo sapiens KIAA0594 protein	847	99.242
10278	U49973	Homo sapiens ORF1; MER37; putative transposase similar to pogo element	302	35.461
10279	Z93785	Unknown predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain)	490	65.347
10280	AF132177	Drosophila melanogaster unknown	222	66.038
10281	AF033664	Mus musculus cbpl46	1932	88.785
10282	U93305	Homo sapiens synaptophysin	601	66.667
10283	X58636	Mus musculus lymphoid enhancer factor 1	932	100.000
10284	AF009329	Rattus norvegicus enhancer-of-split and hairy-related protein 1	529	98.718
10285	AL049558	Schizosaccharomyces pombe hypothetical protein	267	37.725
10286	L15309	Homo sapiens zinc finger protein	237	85.714
10287	Z98596	Schizosaccharomyces pombe putative SMC family protein	302	55.000
10288	U13152	Mesocricetus auratus guanine nucleotide-binding protein beta 5	362	53.636
10289	X93302	Saccharomyces cerevisiae Msn5 protein	173	35.200